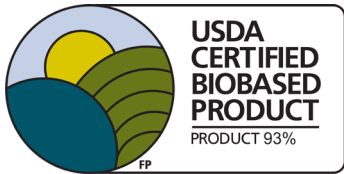




EcoLine® VpCI®-642 Offshore Hydrotesting Inhibitor



PRODUCT DESCRIPTION

EcoLine® VpCI®-642 is an economical inhibitor specially designed for hydrotesting with sea water. It effectively protects ferrous metals from corrosive, high-chloride environments by forming a protective layer on metal surface and by inhibiting cathodic corrosion reactions. EcoLine® VpCI®-642 has been certified as 93% Biobased by the USDA.

For offshore oil and gas pipelines, the ability to utilize abundant sea water provides tremendous cost savings. However, untreated sea water poses serious risks of equipment corrosion. With the addition of EcoLine® VpCI®-642, sea water can be safely utilized without the danger of premature corrosive equipment failure.

EcoLine® VpCI®-642 is effective as a replacement for nitrite, chromate, and hydrazine-based rust preventative products. With the environmentally friendly profile of EcoLine® VpCI®-642, disposal of large quantities of used hydrotesting water is more likely to comply with local regulations.

Not limited to hydrotesting applications, EcoLine® VpCI®-642 offers a low dosage treatment for a wide variety of process applications employing salt water.

FEATURES

- Effective corrosion protection against aggressive attack from high chloride environment
- Specially designed for ferrous metal protection
- Economical and cost-competitive
- Readily water-soluble for easy dilution
- Biobased and Biodegradable
- Nitrite and amine free

TYPICAL APPLICATIONS

- Hydrotesting of equipment and pipe systems with sea water
- Wet lay-up of boilers, pipelines, and vessels made of carbon steels using sea water or brine

METHOD OF APPLICATION

- 0.3-0.75% by volume in brine, sea water, and water containing chlorides and other halogens
- After hydrotesting using sea water, it is recommended to rinse the vessel with fresh water containing 0.5 wt% EcoLine® VpCI®-609 for after-testing preservation

TYPICAL PROPERTIES

Appearance	Dark brown liquid
Density	9.93-10.42 lb/gal (1.19-1.25 kg/l)
Non-volatile Content	25-31
pH	11.0-12.3



PACKAGING AND STORAGE

EcoLine® VpCl®-642 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk. The product should be stored in a tightly closed container. Shelf life is 12 months.

STANDARD TEST METHODS AND RESULTS

Test	Description	Results
ASTM G31	Immersion Testing	90% Protection (Carbon Steel, C 1008, in 3.5% Sodium Chloride)
ASTM D 6866	Biobased content determination using radiocarbon analysis	93% Biobased Content
SM 5210 B-01 SM 5220 D-97	Biological Oxygen Demand (BOD) Chemical Oxygen Demand (COD)	BOD (ppm) 25480 COD (ppm) 91444

**FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT SAFETY DATA SHEET FOR MORE INFORMATION**

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