

ECOSPERSE PLUS

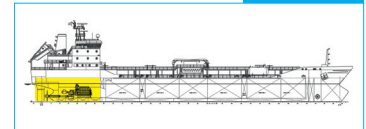
Antifoulant and Corrosion Inhibitor for Sea Water Cooling System

Technical Information

PHYSICAL DATA

Appearance:	Clear, gold liquid
Average specific gravity:	0.85 at 20°C.
Flash Point:	80°C (PMCC)
Corrosive action:	metal and plastic: none rubber: will swell slightly

USAGE AREAS



DESCRIPTION

Liquid containing a filming amine which leaves a protective water-repellent film on metal surfaces.

ADVANTAGES

- Prevents the fouling of filter boxes, sea water piping, heat exchangers, and condensers by marine growth.
- Protects against corrosion by leaving a protective film on all metal surfaces.
 - Ensures maximum thermal efficiency by keeping heat transfer surfaces free from deposits.
 - Provides long-lasting protection and therefore very economical. -Reduces maintenance and downtime.
 - Can be used for protection of sea water ballast tanks.
 - Non-toxic and non-pollutant.
 - Safe and easy to use.

APPLICATIONS

Complete protection against corrosion and fouling by marine growth (algae, moss shell-fish, micro-organisms) in sea water cooling systems.

DIRECTION FOR USE - PRODUCT DOSE

It is essential that systems and tanks are completely free from deposits, therefore where necessary, clean system with DESCALING LIQUID or POWDER before applying ECOSPERSE.

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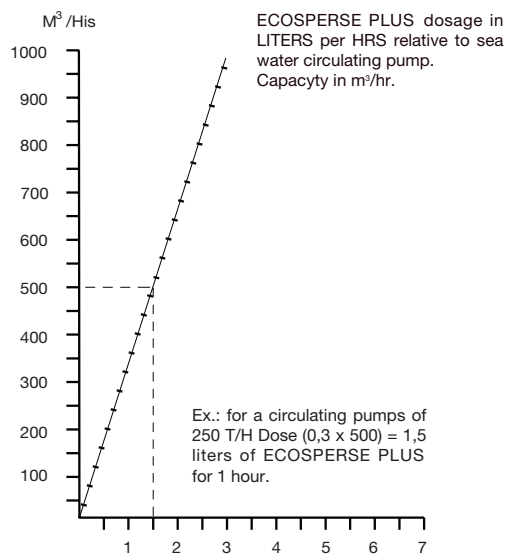
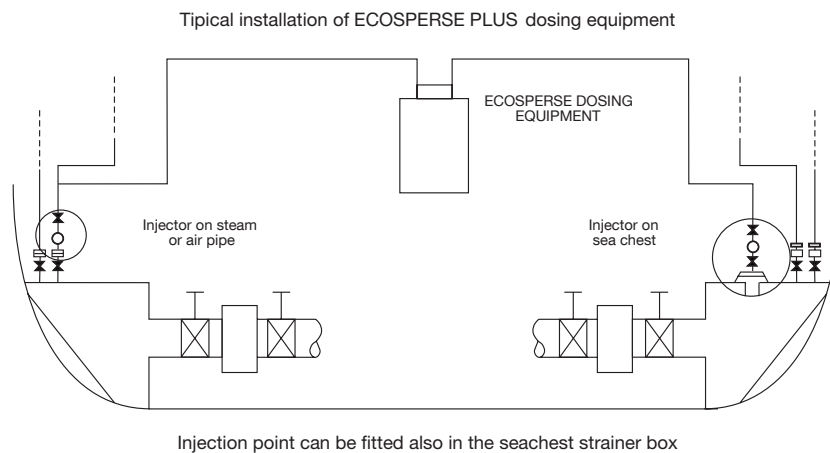
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SEA WATER COOLING SYSTEMS

- The product should be dosed once weekly for one hour, according to the flow rate of sea water in each particular system. See dosage curve, Figure 2.
- When vessel at anchor or in prolific zones of shellfish, the period or frequency of treatment should be increased. A schematic diagram of the recommended installation layout is shown in Figure 1A LAYOUT WITH ELECTRONIC DOSING PUMP, 1B LAYOUT BY GRAVITY.

Note:

ECOSPERSE is also a recommended BIOCIDES to be used in conjunction with NCLT COOLING WATER TREATMENT in case of contamination of MICRO ORGANISM in a FRESH WATER COOLING SYSTEM. It is effective over a broad pH range and gives a wider spectrum of protection against MICRO ORGANISM GROWTHS in marine diesel engine cooling system. In this case the ECOSPERSE to be used is 100 PPM thus 1 ltr. for 10 tons of water added on WEEKLY basis. ECOSPERSE should be applied to the EXPANSION TANK and insure immediate circulation into the system.



DEEPSEA VESSEL

ECOSPERSE PLUS should be metered into the suction box or strainers at the rate of 0,3 Liters every 100 Tons flow over a period of one hour every 48 hours.

COASTAL VESSEL

ECOSPERSE PLUS should be metered into the suction boxes or strainers at the rate of 0,3 liters every 100 tons of sea water flow over a period of 24 hours.

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IMPORTANT NOTICE

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, this information is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you do a test to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by Uniservice Unisafe Srl hereunder are given gratis, and Uniservice Unisafe Srl assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.