Wilhelmsen Ships Service

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COOLTREAT ELC (ANTI-FREEZE) 25 LTR

Product group: **653** Product number: **779030**

Extended Life Corrosion and Anti-Freese Protection for Closed Cooling Systems!

Cooltreat ELC is an organic liquid corrosion inhibitor and mono ethylene glycol blend that provides extended life corrosion and anti-freese protection in closed cooling water systems.

Product information

Why Choose Cooltreat ELC?

Choosing Cooltreat ELC means opting for long-lasting protection that offers extended life corrosion and anti-freeze protection, significantly reducing the need for frequent replacements. It ensures comprehensive coverage for all components of your cooling system, including aluminum.

Industry experts trust Cooltreat ELC for its reliable performance and ease of use, making it a preferred choice among professionals.

Features

Corrosion and Anti-Freese Protection: Offers comprehensive protection against corrosion and freesing. Effective Against Cavitation and Erosion: Ensures robust protection for your systems. Compatibility: Works well with hoses, gaskets, seals, and glycols for frost protection. Long Life Product: Provides up to 5 years of protection in closed cooling systems.

Benefits

Versatile Application: Suitable for corrosion inhibition in various closed recirculation systems, including diesel engines, compressors, centralised hot water heating systems, and auxiliary machinery cooling systems. Extended System Life: Protects all materials in engine cooling systems, including ferrous and copper alloys and aluminum, enhancing longevity and reliability. Reduced Maintenance: The stable formulation means less frequent testing and maintenance.

Specification

General

Invent Hazard Material (IMO/EU) classification	C-7

Physical properties

Appearance	Red
Density [g/ml]	1.11 typical
Form	Liquid
pH	8.7

Approvals

Approved by all major engine manufacturers

Documents

SDoC and MD for IHM

Directions for use

Cooltreat ELC provides long-life, anti-freeze and corrosion protection. To ensure good corrosion protection it is recommended to use at least 33 vol. % of Cooltreat ELC in the coolant solution. This provides ant-freeze protection to -20°C. Typical mixtures in Northern Europe are 50/50, offering anti-freeze protection down to -40°C. Mixtures with more than 70 vol. % Cooltreat ELC in water are not recommended.
The maximum ant-freeze protection (around -69°C) is obtained at 68 vol. % Cooltreat ELC.
For optimal performance and controlled quality, we recommend the use of deionised or distilled water to prepare your required dilutions.

Cooltreat ELC Vol. %			33	40	50	60	68	
Technical Water Vol. %			67	60	50	40	32	
Freeze Protection (°C)			-20	-27	-40	-55	-69	

Cooltreat ELC is a highly effective corrosion inhibitor for all common metals in cooling water systems. Testing has shown no detrimental effects on non metallic substances such as seals, glands, packing, hoses, gaskets etc., normally used in these systems. Cooltreat ELC forms a thin and durable layer of protective molecules to the metal surfaces. This technology prevents the continuous build-up of insulating layers on heat transfer surfaces. For new builds, Wilhelmsen Ships Service recommends cleaning of the water system before commencing service. The system will always contain small amounts of oil and iron oxides, and this can be removed in one operation with UNITOR™ Commissioning Cleaner. If the system is corroded or is more heavily contaminated, degreasing with UNITOR™ Seaclean Plus followed by acid cleaning, with UNITOR™ Descalex for removal of metal oxides or scale is recommended. For systems previously treated with other products, Wilhelmsen Ships Service recommend to drain and flush the system before refilling with the required mixture of distilled water and Cooltreat ELC. The system should be clean and free from scale and corrosion products when starting the treatment.

Related products

Is accessory to

The corrosion inhibitor level can be checked using the Cooltreat AL test kit.

777336
AQUAGUARD CW DOSING SYSTEM

Consumables

555814
GLYCOL REFRACTOMETER RHA 218 ATC
758904
TEST KIT FOR COOLTREAT AL...

Is frequently bought together with

698712
OXYGEN SCAVENGER PLUS 25 LTR

698720
AUTOTREAT - 25 LTR

571364
VAPTREAT 25LTR

735977
MAR-71 BIOCIDE (BOX: 3x5 LTR)

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