

DESCRIPTION

LIQUIDEWT cooling water treatment is a nitrite-based, liquid, multi-functional corrosion inhibitor for protecting recirculating cooling and heating water systems.

LIQUIDEWT treatment is an excellent treatment for diesel engine primary and secondary cooling water. It is also ideally suited for use in chilled water systems because it forms a clear, non-staining solution, which protects the system from corrosion and hard water scale.

LIQUIDEWT treatment is approved or authorized for use by:

- Akasaka Diesel Limited
- Deutz
- MAN B&W Diesel
- Mitsubishi Heavy Industries Ltd.
- Mitsui Engineering & Shipbuilding
- U.K. Department of Transport
- Wartsila NSD

LIQUIDEWT cooling water treatment has received approval from the North Atlantic Treaty Organization and has been assigned NATO number 6850123375552.

APPLICATION & USE

System Preparation

LIQUIDEWT treatment is an effective corrosion inhibitor for ferrous and non-ferrous metals in marine circulating cooling water systems. Because certain aluminum alloys are highly anodic, they may be difficult to completely protect. Therefore, the use of LIQUIDEWT treatment with systems containing aluminum alloys should be discussed with a local Drew Marine representative prior to starting treatment.

In order to ensure the maximum benefits from a LIQUIDEWT treatment program, the system should be inspected for deposits and corrosion. If the system is found to be contaminated, it must be chemically cleaned before the treatment program begins. Your Drew Marine representative can provide specific cleaning recommendations.

Sacrificial anodes (magnesium or zinc) in the cooling system should be removed prior to adding LIQUIDEWT treatment. These materials are not necessary with the complete chemical program in effect and, in fact, may cause undesirable deposits in circulating water systems.

DOSAGE

The system should be filled with good quality fresh or distilled water and where freeze protection is necessary, the proper amount of glycol-based antifreeze should be added. Begin circulating the system water, and add LIQUIDEWT cooling water treatment at an initial dosage of 8 liters per ton of system water capacity. Circulate for 30 minutes after addition to ensure good distribution and the establishment of a protective film.

LIQUIDEWT cooling water treatment may be used with waters that have hardness contamination, provided the total hardness levels are less than 170 ppm or as otherwise recommended by the engine manufacturer, whichever is less. The chloride level in the cooling system should be limited to 100 ppm or as otherwise recommended by the engine manufacturer, whichever is less.



Contact your Drew Marine representative for more information

TESTING AND CONTROL

The proper concentration of LIQUIDEWT treatment can be maintained using CWT TITRETS1 (PCN 0367012). Tests should be conducted to confirm that a minimum LIQUIDEWT treatment concentration of 10,000 ppm is present. Testing once each week is satisfactory. However, when makeup addition to the system is large or unusual changes are noticed, testing frequency should be increased.

If swallowed, drink promptly a large quantity of egg whites, gelatin solution or if these are not available, drink large quantities of water. Call a physician immediately.

TYPICAL PHYSICAL PROPERTIES

Appearance:	Light yellow liquid
Specific Gravity @25° C :	1.23
Flash Point (PMCC):	None
pH, Neat:	12.3-12.9
Freeze Point:	-12.2° C
Freeze/Thaw Stability:	Complete

NOTE: Always wear the appropriate personal protective equipment when using this product.

PACKAGING

LIQUIDEWT cooling water treatment is available in 25-liter containers (PCN 0097403).

IMPORTANT INFORMATION

Drew Marine maintains Safety Data Sheets on all of its products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees.

Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.

FEATURES

- Effective corrosion inhibitor
- Contains a scale modifier
- Liquid
- Buffered

BENEFITS

- Protects ferrous and non-ferrous metals
- Minimizes metal oxide deposits
- Maintains heat transfer effectiveness
- Helps prevent overheating caused by sludge and mineral scale deposits
- Reduces cleaning and maintenance costs
- Easy to dose
- Cost effective
- Stabilizes cooling water pH



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