

## DESCRIPTION

DREWGARD XTA is a cooling water treatment that provides excellent protection from corrosion, cavitation, and deposits in marine diesel engines. DREWGARD XTA protects all metals and alloys; it is particularly suited for modern high-speed engines that require excellent aluminum protection in addition to ferrous and yellow metal protection.

DREWGARD XTA performs equally well in low to medium speed diesel engines and prolongs the normal working life of auxiliaries such as water pumps and heat exchangers. DREWGARD XTA uses non-depleting additives that deliver long lasting protection. DREWGARD XTA is formulated with organic scale and corrosion inhibitors and does not contain nitrites, amines, phosphates, or borates. The non-nitrite formulation does not promote bacterial growth.

## APPLICATION & USE

### System Preparation

To obtain the maximum benefits from DREWGARD XTA, the system should be inspected for deposits and corrosion. If contamination is evident in the system, 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 DREWGARD XTA. These materials are not necessary with the complete chemical program in effect and may cause undesirable deposits in circulating water systems.

DREWGARD XTA is for use in engines requiring no freeze protection. Consult your Drew Marine representative if freeze protection is required.

## FEATURES

- Excellent aluminum protection
- Multi-metal/alloy corrosion protection
- Scale and deposit inhibition
- Extended life inhibitors
- Does not promote bacterial growth

## DOSAGE

The system should be filled to 90% of capacity with good quality fresh or distilled water. Add DREWGARD XTA at an initial dosage of 10% of system capacity and begin circulating the system water. Circulate for 30 minutes after addition to ensure good distribution and the establishment of a protective film.

DREWGARD XTA may be used with distilled or fresh waters containing up to a maximum of 170 ppm of total hardness, and up to 100 ppm of chloride or as otherwise recommended by the engine manufacturer, whichever is less.

## TESTING AND CONTROL

DREWGARD XTA concentrations can be controlled by using a Drew Marine OPTISCOPE-10 (PCN 1AB2940). DREWGARD XTA must not be mixed with other corrosion inhibitors or glycols because the accuracy of testing will be lost. Tests should be conducted after 30 minutes of treatment circulation to confirm that DREWGARD XTA is present within a range of 8-12% of system volume or as recommended by the engine manufacturer. Normally, testing once a week is satisfactory; however, when makeup addition to the system is large, or unusual changes are noticed, testing frequency should be increased.

Makeup water should be tested to confirm that it meets the requirements specified in the dosage section. Makeup water total hardness can be tested by using Drew Marine Total Hardness Titrets (PCN 0378019). Chloride levels can be determined by using a Drew Chloride LMP Test Kit (PCN 0373019).

## BENEFITS

- Ideal for high-speed engines and compliance with engine manufacturer warranties
- Versatile protection for aluminum, ferrous, and non-ferrous metals
- Maintains heat transfer efficiency, reduces cleaning, and maintenance costs
- Low maintenance, easy to control
- No need for biocide



Contact your Drew Marine representative for more information

## TYPICAL PROPERTIES

Appearance:	Green liquid
Specific Gravity @ 20°C:	1.09
pH, Neat:	9.5
Flash Point:	>212°F/100°C
Freeze Point (Neat):	-34°F/-37°C

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

## PACKAGING

DREWGARD XTA is supplied in 19-liter containers (PCN 0033332). Please check with your Drew Marine representative for availability.

## 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.



# Drew Marine®

333 Church Street  
Naugatuck, CT 06770 USA  
1-973-526-5700  
Drew-Marine.com