AMERSITE® CHZ

DESCRIPTION

AMERSITE CHZ is an all-volatile, liquid oxygen scavenger and corrosion inhibitor for use in low-, medium-, and high-pressure steam generating systems. AMERSITE CHZ controls ferrous and non-ferrous corrosion in feedwa-ter, boilers, steam and condensate lines with the use of carbohydrazide as the oxygen scavenger.

In addition to scavenging oxygen, AMERSITE CHZ passivates metal surfaces through the formation of a pro-tective oxide film. This protective film will provide further resistance to corrosion.

AMERSITE CHZ corrosion inhibitor may be used with DREWPLEX® AT boiler water treatment, standard treatment for low-pressure steam generating systems (0-32 bar), standard treatment for medium-pressure steam propulsion vessels (32-60 bar), and our ULTRAMARINE℠ boiler water treatment program for high-pressure steam generating systems (60-84 bar).

APPLICATION & USE

Dosage, Testing and Control

The continuous dosage of AMERSITE CHZ depends on the amount of dissolved oxygen in the feedwater. The colder the feedwater, the more dissolved oxygen there will be. Keep the feedwater temperature as close to 90 °C, or higher, if possible. For starting up a new system, an estimated initial dosage of AMERSITE CHZ is 0.45 liters per ton of boiler water in the system. Daily testing of AMERSITE CHZ in the boiler water using the AMERSITE CHZ test kit (Pen # 1AB2690) deter-mines the necessary dosage to maintain the con-centration within the specified control range. If the system has been poorly passivated, the initial system "demand" for AMERSITE CHZ may require a higher dosage for the first few weeks until the system comes to stabilization.

Feed Points

For low-pressure steam generating systems, when there is feedwater recirculation, dose AMERSITE CHZ continuously after the feedwater recirculation offtake. Diluted AMERSITE CHZ may be fed with diluted DREWPLEX AT boiler water treatment using the DREW™ Beta Metering System. For low-pressure steam generating systems, using Drew Marine's Standard Boiler Water Treatment Program, continuously dose diluted AMERSITE CHZ with diluted SLCC-A™ corrosion inhibitor using the DREW Beta Metering System to the feedwater line downstream of the feedwater recirculation offtake. If there is no feedwater recirculation, dose continuously to the feed pump suction.

TYPICAL PHYSICAL PROPERTIES

Appearance:	Clear liquid
Specific Gravity at 25° C:	1.020
pH (neat):	7.5
Flash Point (PMCC):	NA
Freeze Point:	-1.1 °C

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

PACKAGING

AMERSITE® CHZ is available in 25-liter containers (PCN 6179403).

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.

Contact your Drew Marine representative for more information

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Drew Marine®

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