

## DESCRIPTION

DREWCLEAN EST economizer soot treatment is a specially formulated liquid treatment that catalyzes carbonaceous and incombustible deposits in the exhaust gas, and chemically alters them to be dry and non-adherent to economizer heat transfer surfaces.

Modern main propulsion diesel engines have lower exhaust gas outlet temperatures, due to increased engine and turbocharger efficiency. The lower temperature and reduced exhaust gas volume result in increased exhaust gas deposits in the engine exhaust trunk and exhaust gas economizer. These deposits greatly increase the potential for exhaust trunk fires, while reducing the thermal efficiency of the economizer. "Cold-end corrosion", from the formation of sulfuric acid, often results if the exhaust gas temperature in the economizer falls below the dew point temperature.

DREWCLEAN EST economizer soot treatment should be automatically dosed into the engine exhaust trunk, after the turbocharger. The dosing system creates a fine mist, that vaporizes and mixes completely with hot exhaust gases, carbonaceous, and incombustible deposits. Microscopic droplets of active material remain dispersed throughout the exhaust gas, and ensure that all parts of the economizer are effectively covered and treated. Exhaust gas deposits are made more friable, lose their adhesive properties and are more effectively removed during soot blowing.

## APPLICATION AND USE

It is recommended that fuel deliveries are representatively sampled and analyzed to monitor overall fuel quality and to determine levels of contamination. Consult your local Drew Marine representative for further discussion on fuel samplers and fuel analysis services.

DREWCLEAN EST economizer soot treatment is designed to

prevent accumulations of exhaust gas deposits. If the exhaust gas economizer is heavily fouled, pre-cleaning the unit may be recommended prior start-up of treatment.

The product is normally dosed 2 to 3 liters per 24 hours when the engine is operating. The dosing system can be adjusted to provide the exact dosing desired. It is recommended to inject DREWCLEAN EST economizer soot treatment every 4 to 6 hours, with an injection duration of 12 to 15 minutes. However, variations in fuel quality, engine load, economizer design, heating surface configuration, and the amount of carbonaceous and incombustible deposits may alter this dosage rate.

For optimum results, soot blowers should be operated between 30 to 90 minutes after the treatment cycle has been completed.

## TYPICAL PHYSICAL PROPERTIES

Appearance:	Light, yellow liquid
Density @25°C:	1.3 g/cm <sup>3</sup>
Flash Point (PMCC):	None
pH:	8.0

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

### FEATURES

- Effective blend of highly active combustion catalysts to convert deposits to non-adherent and friable state for more effective soot blowing
- Effective at low engine loads with low exhaust temperatures down to 200 °C
- Disperses throughout exhaust gas to treat all heat recovery transfer surfaces
- Easy to dose liquid treatment

### BENEFITS

- Protects economizer asset with reduced low temperature corrosion
- Maintains heat recovery transfer surfaces clean
- Provides continuous system treatment with minimal intervention when used with the DREW EGT exhaust gas treatment dosing system
- Compliments modern high energy efficient diesel exhaust gas recovery systems.
- Minimizes the risk of stack fires



Contact your Drew Marine representative for more information

## PACKAGING

DREWCLEAN EST economizer soot treatment is available in 25-liter containers (PCN 1706409).

## Dosing Unit

DREW EGT Dosing Unit System (PCN 1AA2623).

## 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.



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