



CONTINUUM® AEC3133 Alkaline Treatment Program

- Controls deposition and scale with patented AEC non-phosphonate technology
- Minimizes or eliminates acid feed
- Stable in presence of halogens

DESCRIPTION AND USE

CONTINUUM® AEC3133 is an alkaline treatment program containing alkyl epoxy carboxylate (AEC). AEC, a non-phosphonate calcium carbonate inhibitor, as the primary ingredient used for patented deposit control technology. CONTINUUM AEC3133 contains molybdenum as a tracer to facilitate testing.

CONTINUUM AEC3133 controls corrosion and scale formation in open recirculating cooling water systems over the alkaline pH range of 7.8 to 9.0. Alkaline AEC programs are versatile and have been successfully used in a broad range of systems operating under varying conditions.

Organic phosphate inhibitors are susceptible to breakdown or reversion in the presence of chlorine. Figure 1 demonstrates that there is no loss of calcium carbonate scale inhibition by AEC in the presence of chlorine.

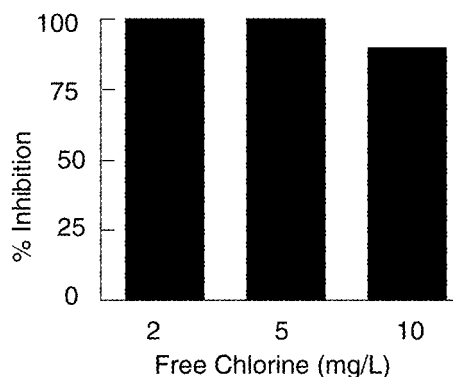


Figure 1: Stability of 10 mg/L AEC at High LSI in the Presence of Chlorine

TREATMENT AND FEEDING REQUIREMENTS

Proper treatment levels for CONTINUUM AEC3133 depend on many factors such as the corrosion scaling potentials, and conditions particular to a given installation. This product should be used in accordance with control procedures that BetzDearborn establishes for a specific application.

CONTINUUM AEC3133 should be fed to a point in the cooling system where it rapidly mixes with the bulk cooling water.

For best results, CONTINUUM AEC3133 should be fed neat (undiluted). Dilutions, if necessary, can only be made with low hardness water.

Tanks, pumps, piping, and valves should be made of stainless steel, polyethylene, or PVC.

GENERAL PROPERTIES

Physical properties of CONTINUUM AEC3133 are shown on the Material Safety Data Sheet, a copy of which is available on request.

PACKAGING INFORMATION

CONTINUUM AEC3133 is a liquid blend, available in a variety of containers and delivery methods. Contact your BetzDearborn representative for details.

STORAGE

Store CONTINUUM AEC3133 at moderate temperatures and protect from freezing. If frozen, thaw completely and mix thoroughly prior to use.

SAFETY PRECAUTIONS

A Material Safety Data Sheet containing detailed information about this product is available upon request.