



## Continuum™ AEC231

### Alkaline Treatment Program

- > Controls deposition and scale with patented AEC, halogen-stable, non-phosphonate technology
- > Stable in presence of halogens
- > Reduces water and treatment costs by enabling high cycles operation
- > Maximum protection against corrosion and scale formation
- > Advanced alkaline technology minimizes or eliminates acid feed
- > Halogen Stable Azole (HRA) for superior protection of copper alloys
- > Easy and accurate-to-test Molybdate Tracer

#### Description and Use

Continuum™ AEC231 is an alkaline treatment program containing Alkyl Epoxy Carboxylate (AEC). The AEC, a nonphosphonate calcium carbonate inhibitor, is the primary ingredient of the Continuum AEC technology and is used as a patented deposit control agent.

This product is a complete program containing components to control corrosion and scale formation in open recirculating cooling water systems over the alkaline pH range of 7.8 to 9.0 plus.

The alkaline AEC programs are versatile and have been successfully used in a broad range of systems operating under variety of conditions.

AEC technology is a major breakthrough in calcium carbonate scale control. Organic phosphate inhibitors are susceptible to breakdown or reversion in the presence of chlorine leading to an inefficacy in carbonate inhibition. The AEC molecule is halogen stable.

This product contains the GE Infrastructure Water & Process Technologies patented Halogen Resistant Azole (HRA). The unique HRA inhibitor has dramatically improved copper and mild steel corrosion rates where

applied while reducing the environmental impact of the treatment program.

With the introduction of both AEC and HRA, all components of this program are resistant to degradation by halogens, unlike traditional phosphonate-azole technology. This enables the more aggressive use of halogens for biological control, which facilitates compliance with industry-accepted standards for Legionella control in open cooling systems.

#### Treatment and Feeding

##### Requirements

Proper treatment levels for Continuum AEC231 depend on many factors such as by a simple and accurate molybdenum test. Tanks, pumps, piping, and valves should be made of stainless steel, polyethylene, or PVC.

##### General Properties

Physical properties of Continuum AEC231 are shown on the Material Safety Data Sheet, a copy of which is available on request.

##### Packaging Information

Continuum AEC231 is a liquid blend, available in a wide variety of customized containers and delivery methods. Contact your GE representative for details.

##### Storage

Store Continuum AEC231 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.