



CONTINUUM® AEC3164 Alkaline Treatment Program

- Controls deposition and scale with patented AEC non-phosphonate technology
- Maximizes corrosion protection without heavy metals
- Minimizes or eliminates acid feed
- Contains BetzDearborn Halogen Resistant Azole (HRA)

DESCRIPTION AND USE

CONTINUUM® AEC3164 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. Unlike organic phosphate inhibitors which are susceptible to precipitate in the presence of high calcium levels and high temperatures, AEC will not react with calcium to cause deposits.

The Halogen Resistant Azole (HRA) is used for copper and copper alloy corrosion protection. Under alkaline conditions, HRA is two (2) to five (5) times more active than former azoles. This in turn extends the life of mild steel equipment that is susceptible to pitting caused by copper corrosion products that promote galvanic corrosion cells.

Every material used in CONTINUUM AEC3164 is stable in the presence of halogens. This improves the stability and reliability of the program and provides an opportunity to improve system performance at reduced operating costs.

CONTINUUM AEC3164 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.

TREATMENT AND FEEDING REQUIREMENTS

Proper treatment levels for CONTINUUM AEC3164 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 AEC3164 should be fed to a point in the cooling system where it rapidly mixes with the bulk cooling water.

For best results, CONTINUUM AEC3164 should be fed neat (undiluted). Dilutions, if necessary, can only be made with low hardness water.

Feed of CONTINUUM AEC3164 is controlled 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 AEC3164 are shown on the Material Safety Data Sheet, a copy of which is available on request.

PACKAGING INFORMATION

CONTINUUM AEC3164 is a liquid blend, available in a variety of containers and delivery methods. Contact your BetzDearborn representative for details.

STORAGE

Store CONTINUUM AEC3164 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.