Inhibitor* AZ8104

Halogen Resistant Azole (HRA) - copper corrosion inhibitor

- Inhibits corrosion of copper, admiralty brass, and other copper alloys
- Product is compatible with oxidizing biocides
- Compatible with all other SUEZ treatment programs
- Eliminates halogenated azole odor

Description and Use

Inhibitor AZ8104 is a unique azole chemistry used for the inhibition of copper and copper alloy heat exchanger surfaces. This material is used to establish a protective corrosion inhibitor film on the metal surface. Inhibitor AZ8104 is unique because it is compatible with oxidizing biocides. This makes it a good choice for cooling systems where chlorine and/or bromine are used to control microbiological activity. Indirectly, it also reduces the corrosion of steel surfaces within a given cooling system. This occurs if the steel corrosion is a result of a galvanic reaction between the steel surface and the products of copper corrosion which have been deposited on the steel. Figure 1 demonstrates how Inhibitor AZ8104 can improve copper and copper alloy corrosion rates in the presence of oxidizing biocides.

Treatment and Feeding Requirements

Dosage - Proper treatment levels of Inhibitor AZ8104 depend on many factors, such as corrosion load and conditions particular to a given installation. This product is to be used in accordance with control procedures SUEZ establishes for a specific application.

Feed point - Inhibitor AZ8104 should be fed at a point in the cooling water where turbulence, flow pattern, etc. will insure good mixing of the product with the water to be treated.

Dilution - Inhibitor AZ8104 has to be fed from the shipping container directly.

Feed Equipment - Stainless steel, polypropylene, polyethylene, Teflon, and hypalon tanks, pumps and piping are compatible with this product. [Teflon is a registered trademark of E.I. DuPont de Nemours and Company.]

General Properties

Physical properties of Inhibitor AZ8104 are shown on the Material Safety Data Sheet, a copy of which is available on request.
**packaging information**

Inhibitor AZ8104 is available in a wide variety of containers and delivery methods. Contact your SUEZ representative for details at www.suezwatertecnologies.com.

**storage**

Protect Inhibitor AZ8104 from freezing. If frozen during shipping or storage, warm and mix completely to ensure homogeneity.

**safety precautions**

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