

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.

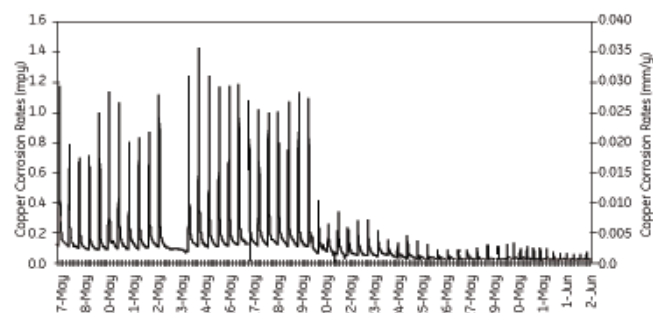


Figure 1: Improved corrosion rate results experienced with HRA under shot-feed chlorination. [TTA fed from May 7th until May 20th, equal actives of HRA fed for the rest of the time period.]

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.suezwatertechnologies.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.