



**ANGLO GULF LIMITED**

انجلو الخليج المحدودة

**TECHNICAL DATA SHEET**

**AQUA AG-351**

**BIOCIDE**

**PRODUCT DESCRIPTION**

**Aqua AG-351** is a Non-oxidizing organic biocide formulated with Alkyl isothiazolin-3-ones – organo sulphur group and other non-oxidizing molecules based broad spectrum Biocide for control of bacteria and algae in industrial re-circulating cooling waters over a wide range of pH.

**ADVANTAGES**

**Aqua AG-351** kills micro-organisms by inhibiting microbial respiration and food transport through cell wall.

**APPLICATIONS**

**Aqua AG-351** is effective against both general aerobic and spore forming bacteria, over a pH range of 6.5 to 9.0. **Aqua AG-351** is very effective algaecides and fungicides – only at acid to slightly alkaline pH levels. Contact time is typically 5 to 6 hours.

**DOSAGE**

Dosage in cooling water treatment programs 50 to 120 ppm for **effective** control of biocide activity, for cooling waters.

**METHOD OF FEEDING**

**Aqua AG-351** can be fed as received or diluted with water minimum 10% concentration with any chemical feed solution. The chemical should be added to cooling tower basin (or any other point, which provides uniform mixing) addition should be made to metering pump to minimize handling.

**Specification**

pH ( as is) - 2.50-4.50
Specific gravity – 1.02-1.04
Appearance – Greenish blue liquid

**FEED REQUIREMENTS**

Badly fouled systems must be cleaned before treatment to start.

**INITIAL DOSE** - When the system is noticeably fouled, slug feed 50 to 75 ppm of **Aqua AG-351** in the system.

**SUBSEQUENT DOSE** - When the Microbial count is evident, slug feed 25 to 50 ppm of **Aqua AG-351**



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**CONTROL TESTING**

The best indication of the successful application of **Aqua AG-351** is visual inspection of tower surfaces or monitoring changes in heat transfer on metal surface of process equipment. Uses of on-site bacterial counts or microscopic examination provide relative indicators of system cleanliness and biological control. If bacteria counts are used, note that counts may be high immediately after biocide addition. Counts will be lower as control is achieved.

**PACKAGING**

**Aqua AG-351** is available in 30 kg & 200 kg.

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