



AQUA-KEM 360c

Liquid Isothiazolin Non-Oxidizing Biocide

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| <p><u>GENERAL</u></p> <p>AQUA-KEM 360C is a high activity biocide and fungicide specifically for use in industrial process water and cooling water systems. Systems include Pulp and Paper Mill circuits as well as Cane and Sugar Beet Mills and Brewery Pasteurizers.</p> <p>It has been specifically formulated to provide excellent control of the growth of bacteria found in cooling towers, air-washer systems and evaporative condensers.</p> <p>AQUA-KEM 360c is not to be used in potable water systems or where contamination of potable water supplies can occur.</p> | <p>The type and design of the system, the Holding Time Index, the extent of any microbiological problem and the degree of control required.</p> <p>As the efficacy of the biocide will depend on direct organism contact at a minimal kill-concentration, it is advisable to ensure good distribution of the biocide into the bulk water content. It is furthermore vital to consider product Half Life, and system Retention Index in order to achieve the desired results.</p> |
| <p><u>FEATURES AND BENEFITS</u></p> <ul style="list-style-type: none"> • AQUA-KEM 360c is a non-foaming high activity broad spectrum biocide particularly effective against Sulphate Reducing Bacteria. • AQUA-KEM 360c controls bacteria and other microorganisms that produce hydrogen sulphide and cause corrosion, odours, increased solids and other slime-related problems. • AQUA-KEM 360c demonstrates high kill-rates at low concentrations. • AQUA-KEM 360c shows resistance to the inhibitory effect of organic and inorganic compounds. • AQUA-KEM 360c is a liquid formulation which ensures ease of application with simple metering pumps. • AQUA-KEM 360c decomposes in the aquatic environment to natural by-products and may therefore be termed environmentally friendly. | <p><u>Cooling Towers and Open Cooling Circuits.</u></p> <p>Dosages for industrial recirculating water cooling towers or evaporative condensers will depend on the condition of the system prior to treatment initiation. Systems which are heavily contaminated should be manually cleaned prior biocide application.</p> <p>Thereafter the biocide may be applied as directed by the local Süd Chemie technical representative.</p> <p>For six hours following each biocide application, if possible, discontinue bleed. This action retains the biocide at the required Kill-Concentration for the required Contact Time, and obviously will reduce the cost of the programme.</p> |
| <p><u>TYPICAL PROPERTIES</u></p> <p>Appearance and Odour : Clear blue-green liquid.</p> <p>Specific Gravity @ 25 °C : 1.07 - 1.11</p> <p>PH (neat) : 1.0 - 2.0 pH units.</p> <p>Solubility : Complete in water.</p> <p><u>DOSING AND CONTROL</u></p> <p>AQUA-KEM 360c is available in 25 kg. polykans, 206 kg. drums and in bulk on request.</p> <p>The exact dosage of AQUA-KEM 360c will be advised by your Süd-Chemie Water Treatment Representative for each application. The dosage will depend on factors such as:</p> | <p><u>HANDLING AND STORAGE</u></p> <p>AQUA-KEM 360c poses minimal hazards, other than those noted here and contained in the MSDS document. Please refer to necessary information sheet for details. In general, contact with AQUA-KEM 360c should be minimized, and the correct personal precautions followed - wear gloves, apron, safety glasses and boots etc. If contact with product is unavoidable, wash copiously with water and if serious distress is encountered refer to physician and Süd-Chemie Water Treatment immediately. Do not store AQUA-KEM 360c near heat or in direct sunlight, or with incompatible chemicals. Store in a dry place. Keep lid on container when not in use to prevent the possibility of spillage and dilution. Preferably use a dedicated dosing station as advised by Süd Chemie.</p> |