



AQUA-KEM 212c

Liquid Corrosion and Scale Inhibitor, High Dispersant

<p>GENERAL</p> <p>AQUA-KEM 212c is a patented, hydrolytically stable, nonionic dispersant. It is highly effective across a wide pH band and temperature range, in dispersing oil, silt, sludge, clay and dead micro-organisms in cooling water systems. This antifoulant will remove deposits, both organic and inorganic, which if left in place would reduce heat transfer and lead to under deposit corrosion.</p> <p>The disruptive effect of this product on bio-films will enhance the activity of any microbiological programme. When used in conjunction with a microbiocide.</p> <p>AQUA-KEM 212c improves the penetration properties of the microbiocide, and provides synergistic bacterial control more economically. The major goal of a microbiocidal programme is the destruction of the bacteria. However, another integrally related aspect is the removal of the dead organisms so that they do not act as a source of nutrient.</p> <p>AQUA-KEM 212c also aids with the removal of system foulants, debris, deposits and oil, which can provide a favorable growth environment and act as a physical barrier between the organism and the microbiocide.</p>	<p>DOSING AND CONTROL</p> <p>The exact dosage of AQUA-KEM 212c will be advised by your Süd-Chemie Water Treatment Representative for each application. The dosage will depend on factors such as: The design of the system, the extent of the problem and the time period allowed for the clean. Directly following this period, the system should be heavily bled to facilitate the removal of the debris. When employing high dosages, and for heavily fouled systems, appropriate antifoam should be available to control system foaming should it occur. The local Süd-Chemie Representative will arrange for a full system survey, and water analysis, and provide advice accordingly. Clearly the number of variants involved requires technical and theoretical consideration prior to the submission of any accurate costing.</p> <p>Maintenance Dosage: Continuous application at a level of between 25 - 200 ppm.</p> <p>Once-through systems, apply AQUA-KEM 212c between 5 – 20 ppm intermittently. The frequency of the application will depend on the severity of the problem and the degree of control desired.</p>
<p>FEATURES AND BENEFITS</p> <ul style="list-style-type: none"> Patented dispersant blend improves plant efficiency by removal of deposits from heat-exchange surfaces. Wide pH and temperature operational range ensures prevention of bio-film existence. AQUA-KEM 212c will not encourage the development of resistant strains of bacteria, and therefore can be regularly applied. It is particularly well suited to systems where microbial slimes have not been penetrated using chlorine and/or other microbiocides. It is extremely effective for on-line cleaning and thus requires a low foaming surfactant. <p>TYPICAL PROPERTIES</p> <p>Appearance and Odour : Clear, dark brown liquid. Specific Gravity @ 25 °C : 1.02 - 1.05 pH (neat) : 8.0 - 9.0 pH units. Solubility in water : Complete</p>	<p>HANDLING AND STORAGE</p> <p>AQUA-KEM 212c 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 212c 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.</p> <p>Do not store AQUA-KEM 212c near heat or in direct sunlight, or with incompatible chemicals.</p> <p>Store in a dry place. Keep lid on container when not in use to prevent the possibility of spillage and dilution.</p> <p>AQUA-KEM 212c is available in 25 kg. polykans, 200 kg. drums and in bulk, on request.</p>