Reporting For Heating, Air Conditioning and Refrigeration Professionals

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S-14 Bio Combines Scale & Corrosion Control for Cooling Towers and Systems

Utilizing Cortec® Advanced Green Technology, S-14 Rio offers a new bio formulation for scale and corrosion control cooling towers and other open-loop, recirculating cooling systems. product is comprised of non-toxic, nonhazardous, and readily biodegradable ingredients. The main component in S-14 Bio is a low molecular weight natural polymer and all other components are GRAS (Generally Recognized as Safe) substances and good approved preservatives. The readily biodegradable formulation is effective in a variety of open and closed systems at low dosages. S-14 Bio provides powerful scale inhibition and excellent multi-metal corrosion protection. contrast to conventionally used antiscalant products that offer no or limited multi-metal protection, S-14 Bio protects carbon steel, galvanized steel, aluminum, copper, other non-ferrous metals. Corrosion tests were run comparison typical antiscalants such as phosphonates, polyacrylates, polyaspartic acid. Half immersion tests were used on carbon steel, aluminum, galvanized and copper to evaluate the corrosion protection offered in the liquid phase, the vapor phase and the water-air interface of a cooling The system. typical antiscalants showed limited degrees corrosion protection and S-14 Bio showed excellent protection in each case.

Without offering true multi-metal protection, the conventionally used antiscalants require supplementary corrosion inhibitors to protect a cooling system. Supplemental inhibitors can introduce both compatability concerns and changes to the safety biodegradability characteristics οf treatment formulation. 14 Bio is specially designed for compatibility with commonly used water treatment programs. provides a strong building block in cooling water treatment systems for incorporating antiscalants that offer biodegradable properties and excellent multi-metal corrosion Cortec® protection. Corporation, a pioneer in TENNESSEE HVAC INSIDER environmentally friendly water treatment. packaging, metalworking, cleaning and metal protection technologies, is located in White Bear Lake, MN. ISO9001 and 14001 Certified, they manufacture over 300 products in five plants located in Minnesota and Wisconsin, Cortec is a global supplier of innovative and environmentally friendly specialtychemicals, plastics and coated papers. Cortec website www.CortecVCI.com.