

eNPure... Your Single Source Solution for: Cooling Water Treatment Programs



Increase water and energy conservation with a proper Cooling Water Treatment Program. Spend less money on maintenance and repairs, while saving money on water, chemicals and energy.

OUR HIGH PERFORMANCE PROGRAMS MAINTAIN, AND OFTEN INCREASE ENERGY EFFICIENCY, WHILE MINIMIZING OR ELIMINATING UNSCHEDULED DOWNTIME OR INTERRUPTIONS.

If left untreated, the metal surfaces of cooling towers, chillers, heat exchangers and associated piping that make up cooling water systems can corrode, develop scale and fouling, or become choked with microbiological growth.

Having an ongoing cooling tower water treatment program is imperative from an energy efficiency viewpoint as well as an ecological perspective. A high quality cooling water treatment program should be selected, optimized and administered.

To meet the needs of our customers, eNPure's cooling water programs offer protection and extend equipment life for open recirculating (cooling tower water treatment), closed loop and once-through cooling systems. eNPure provides both of the elements critical to maintaining an effective program: high quality treatment products and a service team to monitor the performance of your system.

KEY PROGRAM BENEFITS

- REDUCED ENERGY CONSUMPTION FROM IMPROVED HEAT TRANSFER
- REDUCED WATER CONSUMPTION FROM LESS BLOWDOWN
- REDUCED CHEMICAL CONSUMPTION
- FEED AND CONTROL SIMPLICITY RESULTING IN IMPROVED OPERATOR SAFETY
- REAL-TIME 24/7 MONITORING OF EQUIPMENT AND CHEMICAL OPERATION

Call eNPure for an evaluation today. 281-900-3842



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Protect your Cooling Tower with EcoSAFE™ Solid Feed Chemistry ... and reduce your carbon footprint by 75%. Smart Release allows EcoSAFE™ chemistry to be introduced into a cooling tower system with pinpoint accuracy eliminating all of the overfeeding and underfeeding issues of the past.

EcoSAFE™ Solid Feed System is a simpler, safer, greener, more reliable means to deliver scale, corrosion, and biocide protection for cooling towers and other related applications. The secret lies in a diffusion-based coating and membrane technology which provides the controlled release of the treatment chemicals contained within.

The EcoSAFE™ Solid Feed System is a U.S. Green Buildings Council LEED Certified non-hazardous system. It provides a reliable and controlled release of scale inhibitors, corrosion inhibitors, oxidizing micro-biocides, or non-oxidizing micro-biocides to cooling systems over a 30-day period between service intervals. EcoSAFE™ Solid Feed systems are more economical for up to 5000 ton cooling systems than conventional feed technologies. Larger systems may also benefit economically.

KEY BENEFITS

- RELIABLE CHEMICAL TREATMENT. NO FEED PUMP FAILURES OR POWER OUTAGES TO INTERRUPT CHEMICAL RELEASE.
- REDUCED PROGRAM COSTS. HIGH ACTIVE INGREDIENT LEVELS, NO CONTAINER DISPOSAL ISSUES, SHIPS AS NON-HAZARDOUS CHEMICAL.
- IMPROVED PROGRAM SAFETY. DRY CHEMICAL ELIMINATES RISK OF HANDLING LIQUID CHEMICALS AND SPILLS, ENVIRONMENTALLY SAFE. (LOWER TOXICITY THAN ASPIRIN TABLETS)
- EASY PROGRAM SETUP. FEED SYSTEM INSTALLS IN LINE WITH MAKEUP OR RECIRCULATING WATER, OR TABLETS CAN BE PLACED IN THE BASIN FEEDER.
- IMPROVE YOUR LEED STATUS. SMART RELEASE™ CHEMISTRY CAN ALSO HELP YOUR FACILITY ACHIEVE YOUR SUSTAINABILITY AND LEED GOALS BY REDUCING YOUR OVERALL CARBON FOOTPRINT.

Protect your Cooling Tower with EcoSHIELD™ amine emulsion filming system to prevent corrosion, scaling and fouling. EcoSHIELD™ is a nontoxic, cost effective corrosion and scaling preventative designed to eliminate the need for multiple inhibitors.

EcoShield™ is an amine emulsion that forms a monomolecular film adsorbed on all internal metal surfaces. The functional amine group in the EcoShield™ is hydrophilic and attaches to wetted surfaces; the tail end of the chemical is hydrophobic and protects metal surfaces from corrosive condensates.

- The amine film constitutes a continuous barrier between water and metal, preventing corrosion of the surface while improving heat transfer capabilities.
- It disperses scale forming salts as they occur.
- pH is controlled by neutralizing and alkalizing amines.
- It is a stable liquid that does not breakdown under the stress of pressure restrictions or turbulent flow.

KEY BENEFITS

- ELIMINATE CONDENSATE CORROSION WITH BOTH FILMING AND NEUTRALIZING AMINES, PROVIDING BOTH CHEMICAL AND PHYSICAL PROTECTION
- IMPROVE HEAT TRANSFER
- REDUCED BLOW-DOWN: ECOSHIELD™ DOES NOT INCREASE THE SALINITY OR OVERALL TDS LEVEL AS IT IS NOT A SALT
- PREVENT SCALING
- REDUCE THE NEED FOR ADDITIONAL DISPERSANTS
- FEED AND CONTROL SIMPLICITY: ONE PRODUCT, ONE TEST
- NON- TOXIC AND ENVIRONMENTALLY FRIENDLY
- ECONOMICAL



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