Cleaning and Dispersant Products

Organic Deposit Control Products

BSC™ 8000

Buckman System Clean (BSC) 8000 is a specially designed, concentrated, cleaning dispersant for use in cooling water systems. BSC 8000 contains a unique combination of active ingredients consisting of an amine, an amide, and a nonionic surfactant. BSC 8000 is especially effective in cleaning organic deposits. BSC 8000 functions by chemically working into the deposit matrix and loosening the deposit. The chemical action of BSC 8000 results in the dispersal and sloughing off of the matrix. Consistent use of BSC 8000 will help control deposition and under-deposit corrosion. BSC 8000 will also aid in the cleaning of heavily fouled systems.

BSC 8007

BSC 8007 is a specially designed cleaning dispersant for use in cooling water systems. BSC 8007 contains a unique formulation that is especially effective in cleaning organic deposits. Because organics often act as adhesives for inorganic foulants, BSC 8007 is also useful as an adjunct to mineral scale control agents.

BSC 8007 penetrates and forms a protective film as it disperses the deposits. This dual action makes it the most effective corrosion inhibitor available for control of microbiologically induced corrosion. Unlike many dispersants, BSC 8007 is compatible with glutaraldehyde and has the added benefit of controlling foam in many situations.

BSC 8020

BSC 8020 is a combination of cleaners for use in cooling water systems. BSC 8020 contains a unique combination of an amide and a cationic polymer. BSC 8020 is especially effective in preventing organic deposits. BSC 8020 functions by chemically working into the deposit matrix and loosening the deposit. The chemical action of BSC 8020 results in the dispersal and sloughing off of the matrix. Consistent use of BSC 8020 will help control deposition and under-deposit corrosion. BSC 8020 will also aid in the cleaning of heavily fouled systems.

DMATO

DMATO is a unique chemical amide which has properties that make it useful in both cooling and boiler water systems as a penetrant, dispersant, and corrosion inhibitor. DMATO also functions as an emulsion breaker in fluids containing a high percentage of water in various waste oils.

Buckman™
Chemistry, connected.

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Inorganic Deposit Control Products

BSC™ 8210

BSC 8210 is an on-line neutral cleaner for closed loop water systems. It is formulated to both clean and passivate the system. The unique formula is a blend of sequestrants and dispersants designed to facilitate the removal of iron and calcium hardness deposits. Fed at the recommended doses, BSC 8210 will not affect system pH. A yellow metal inhibitor is also incorporated to protect copper in the system.

Iron bolts cleaned with BSC 8210 solution

CHEL

CHEL is a water-soluble blend of chelating and scale control agents designed to efficiently remove existing corrosion products and inorganic scale. Stable when temperatures, pressures, and pH values are extreme, CHEL is ideal for cleaning systems that cannot be taken offline due to workload, or for systems where acid cleaning is not an option.

Created as a combination product, CHEL contains ingredients that target removal of both iron and calcium scale, and provides the additional benefit of acting as a sequestrant for manganese, copper, and other problematic metal ions. CHEL was formulated to work in both open and closed systems, and can be used as a scale inhibitor and antiprecipitation agent once the scale has been removed.

Heat exchanger cleaned with CHEL

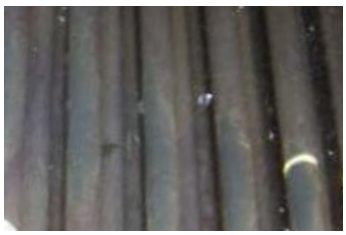

Figure 1. A heat exchanger fouled with a calcium and iron based scale after acid cleaning.

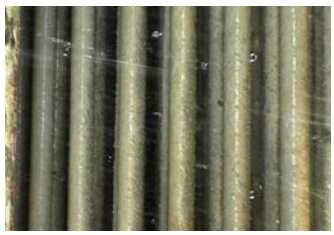

Figure 2. The results indicate efficient scale removal after just one month of CHEL treatment.

Specialty Products

SADA 2

SADA 2 is a combination of dispersing agents and scale inhibitors. The product is broad spectrum and is used to remove old deposits of scale, mud, oil, slime, and other fouling materials and to prevent the formation of new non-microbiological deposits. SADA 2 is recommended for use in boilers, cooling water systems, air washers, petroleum secondary recovery systems, and other industrial water systems.

SADA 2 can also be used to supplement corrosion protection to cooling water systems, boilers, and other water systems. Since part of the product will steam distill, it should also help protect condensate return lines from corrosion when it is used in boiler water treatment.

DEVIS

DEVIS is a cleaner that dissolves oil-based residues. DEVIS is a ready-to-use fuel oil conditioner formulated to treat problems associated with the transport, storage, and combustion of residual fuels.

Treatment of fuel oils with DEVIS provides better dispersion of heavy hydrocarbons, carbon, water, and other sludge- and deposit-forming substances. Treatment improves atomization and combustion of the fuel oils. It also decreases corrosion of metal equipment that comes in contact with the fuel oil.

Some of the benefits derived from the use of this product include reduced buildup of tank-bottom sludge, minimal varnish and gum formation, and cleaner lines, strainers, preheaters, orifices, and burners. Fewer deposits in the furnace and less soot formation improve the overall furnace efficiency.

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