



WATER TREATMENT SOLUTIONS



BRODY
CHEMICAL



WELCOME TO BRODY CHEMICAL

Brody Chemical began operations in Salt Lake City, Utah, in 1975. Since then, the company has grown from a small local company to one that provides superior products and services to over half of the United States. Brody's success is attributed to its commitment to create innovative and highly effective products — manufactured under strict quality control standards, a responsive technical support team, and a professional, well-trained, service-driven sales force. Brody Chemical's comprehensive product line boasts over 600 different formulations of sanitation, institutional, industrial and maintenance chemicals for professional use. Reducing the risks associated with chemical usage and disposal, avoiding depletion of the Earth's natural resources, and enhancing the safety and work environment for clients are core values of Brody Chemical.

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B760 PREMIUM BOILER TREATMENT

SOFT WATER

A multifunctional liquid treatment for steam boilers up to 900 psi with soft water makeup of high alkalinity. It provides unsurpassed scale, corrosion, and deposit control and can remove deposits from neglected boilers during normal operation.

Feeding: Inject product in the deaerator or feedwater line to maintain testing range residuals in the boiler.

Testing: 5-25 ppm phosphate, 30-60 ppm sulfite.

B760D PREMIUM BOILER TREATMENT

SOFT WATER (ALK)

A multifunctional liquid treatment for steam boilers up to 900 psi with soft water makeup of moderate alkalinity. It provides unsurpassed scale, corrosion, and deposit control and can remove deposits from neglected boilers during normal operation.

Feeding: Inject product in the deaerator or feedwater line to maintain testing range residuals in the boiler.

Testing: 5-25 ppm phosphate, 30-60 ppm sulfite.

B762 SUPREME BOILER TREATMENT

SOFT WATER (ALK+)

A multifunctional liquid treatment for steam boilers up to 900 psi with soft water makeup of low alkalinity. It provides unsurpassed scale, corrosion, and deposit control and can remove deposits from neglected boilers during normal operation.

Feeding: Inject product in the deaerator or feedwater line to maintain testing range residuals in the boiler.

Testing: 5-25 ppm phosphate, 30-60 ppm sulfite.

B765 SUPREME BOILER/CONDENSATE TREATMENT

SOFT WATER (ALK+)

A multifunctional liquid treatment for steam boilers up to 900 psi with soft water makeup of low alkalinity. It provides unsurpassed scale, corrosion and deposit control and can remove deposits from neglected boilers during normal operation. This treatment also contains an approved food grade neutralizing amine that provides good coverage for most condensate systems.

Feeding: Inject product in the deaerator or feedwater line to maintain testing range residuals.

Testing: 5-25 ppm phosphate, 30-60 ppm sulfite, maintain condensate pH 8.0-8.5.

B767 PREMIUM BOILER/CONDENSATE TREATMENT

SOFT WATER

A multifunctional liquid treatment for steam boilers up to 900 psi with soft water makeup of high alkalinity. It provides unsurpassed scale, corrosion and deposit control and can remove deposits from neglected boilers during normal operation. This treatment also contains an approved food grade neutralizing amine that provides good coverage for most condensate systems.

Feeding: Inject product in the deaerator or feedwater line to maintain testing range residuals.

Testing: 5-25 ppm phosphate, 30-60 ppm sulfite, maintain condensate pH 8.0-8.5.

B790 PREMIUM BOILER TREATMENT

HARD WATER

A multifunctional liquid treatment for steam boilers up to 900 psi with hard or inconsistent soft water makeup of high alkalinity. It provides unsurpassed scale, corrosion, and deposit control and can remove deposits from neglected boilers during normal operation.

Feeding: Inject product in the deaerator or feedwater line to maintain testing range residuals in the boiler.

Testing: 15-50 ppm phosphate, 30-60 ppm sulfite.

B790D PREMIUM BOILER TREATMENT

HARD WATER (ALK)

A multifunctional liquid treatment for steam boilers up to 900 psi with hard or inconsistent soft water makeup of moderate alkalinity. It provides unsurpassed scale, corrosion, and deposit control and can remove deposits from neglected boilers during normal operation.

Feeding: Inject product in the deaerator or feedwater line to maintain testing range residuals in the boiler.

Testing: 15-50 ppm phosphate, 30-60 ppm sulfite.

B792 SUPREME BOILER TREATMENT

HARD WATER (ALK+)

A multifunctional liquid treatment for steam boilers up to 900 psi with hard or inconsistent soft water makeup of low alkalinity. It provides unsurpassed scale, corrosion, and deposit control and can remove deposits from neglected boilers during normal operation.

Feeding: Inject product in the deaerator or feedwater line to maintain testing range residuals in the boiler.

Testing: 15-50 ppm phosphate, 30-60 ppm sulfite.

B795 SUPREME BOILER/CONDENSATE TREATMENT

HARD WATER (ALK+)

A multifunctional liquid treatment for steam boilers up to 900 psi with hard or inconsistent soft water makeup of low alkalinity. It provides unsurpassed scale, corrosion and deposit control and can remove deposits from neglected boilers during normal operation. This treatment also contains an approved food grade neutralizing amine that provides good coverage for most condensate systems.

Feeding: Inject product in the deaerator or feedwater line to maintain testing range residuals.

Testing: 15-50 ppm phosphate, 30-60 ppm sulfite, maintain condensate pH 8.0-8.5.

B797 PREMIUM BOILER/CONDENSATE TREATMENT

HARD WATER

A multifunctional liquid treatment for steam boilers up to 900 psi with hard or inconsistent soft water makeup of high alkalinity. It provides unsurpassed scale, corrosion and deposit control and can remove deposits from neglected boilers during normal operation. This treatment also contains an approved food grade neutralizing amine that provides good coverage for most condensate systems.

Feeding: Inject product in the deaerator or feedwater line to maintain testing range residuals.

Testing: 15-50 ppm phosphate, 30-60 ppm sulfite, maintain condensate pH 8.0-8.5.

B503 CONDENSATE TREATMENT

INTERMEDIATE AMINE

A general neutralizing amine that provides good coverage for most average sized condensate systems. This product is FDA approved for systems where steam contacts food.

Feeding: Inject product in the feedwater line to maintain testing range in the condensate.
Testing: 8.0-8.5 pH.

B510 CONDENSATE TREATMENT

NEUTRALIZING AMINES

A combination of short and long range neutralizing amines that provides excellent coverage for most condensate systems. It protects both the portion of the condensate system near the boiler, and the distant portion of the system.

Feeding: Inject product in the feedwater line to maintain testing range in the condensate.
Testing: 8.0-8.5 pH.

B515 CONDENSATE TREATMENT

COMBINED NEUTRALIZING AMINES

A combination of short, intermediate, and long range neutralizing amines that provides excellent coverage for all condensate systems. The product protects all portions of even complex, intricate, and diverse condensate systems.

Feeding: Inject product in the feedwater line to maintain testing range in the condensate.
Testing: 8.0-8.5 pH.

B557 CONDENSATE TREATMENT

ADVANCED FILMING AMINES

The advanced secondary and tertiary filmers of the product provide superior protection. It forms a corrosion barrier through a monomolecular, nonwetttable film. Particularly beneficial for systems with low or very little condensate return.

Feeding: Inject product in the feedwater line to maintain testing range in the condensate .
Testing: 6.0-8.0 pH.

B633 STEAM TREATMENT

FOOD GRADE

A food grade treatment where live steam contacts food and dairy products. This product is well suited for systems that have long steam runs.

Feeding: Inject product in the feedwater line to maintain testing range in the condensate.
Testing: 7.5-8.5 pH.

B680 STEAM TREATMENT

NEUTRALIZING AMINE

An excellent long range steam treatment that is best suited for systems that have only one condensing point, no matter whether it is at the end of a short, intermediate or long steam run. This product also works well for branched systems where all condensing points are the same distance from the steam header.

Feeding: Inject product in the feedwater line to maintain testing range in the condensate.
Testing: 8.0-8.5 pH.

B600 OXYGEN SCAVENGER

DRY

A catalyzed oxygen scavenger in powder form that prevents pitting and corrosion.

Feeding: Inject product in the DA tank or feedwater line to maintain testing range residual in the boiler.
Testing: 30-60 ppm sulfite.

B601 OXYGEN SCAVENGER

LIQUID

A liquid catalyzed bisulfite product that prevents oxygen pitting and corrosion. This product contains cobalt sulfate to increase its rate of reaction with oxygen.

Feeding: Inject product in the DA tank or feedwater line to maintain testing range residual in the boiler.
Testing: 30-60 ppm sulfite.

B701 ALKALINITY BOOSTER

Adds hydroxide to boilers with low alkalinity feedwater caused by dealkalizers, demineralizers, or low alkalinity makeup. Inhibits magnesium silicate and calcium phosphate scaling and buffers iron corrosion.

Feeding: Inject product in the DA tank or feedwater line to maintain testing range residual in the boiler.
Testing: 200-400 ppm hydroxide.

B722 BOILER SULFINITY BOOSTER

A liquid boiler supplemental treatment that provides extra sulfite and alkalinity when needed. It also boosts solids suspension and sludge conditioning. Use in boilers up to 900 psi to prevent corrosion and pitting.

Feeding: Inject product in the DA tank or feedwater line to maintain testing range residual in the boiler.
Testing: 30-60 ppm sulfite, 200-400 ppm hydroxide.

B725 BOILER SUPPLEMENT

A liquid boiler supplement to augment normal boiler treatments when needed. Though primarily an oxygen scavenger, it also provides solids suspension and sludge conditioning. Use in boilers up to 900 psi to prevent corrosion and pitting.

Feeding: Inject product in the DA tank or feedwater line to maintain testing range residual in the boiler.
Testing: 30-60 ppm sulfite.

CT107 COOLING TREATMENT

HARD WATER SYSTEMS

Acts as a crystal dispersant and corrosion inhibitor for towers with hard water makeup and acid-free feed. Contains yellow metal corrosion inhibitor, a crystal modifier and dispersant, and a unique polymer that inhibits calcium carbonate and suspended solid deposition.

Feeding: Inject product in tower sump or recirc line to maintain testing range residual in recirculating water.

Testing: 6-9 ppm phosphonate.

CT215 COOLING TREATMENT

SOFT WATER SYSTEMS

Superior corrosion and deposition inhibitor for cooling towers with soft water makeup. The unique polymer mix inhibits calcium carbonate, suspended solids, and phosphate deposits.

Feeding: Inject product in tower sump or recirc line to maintain testing range residuals in recirculating water.

Testing: 3-5 ppm phosphonate, 2-3 ppm phosphate.

CT844 SUPERIOR COOLING TREATMENT

Unsurpassed liquid inhibitor for scale, corrosion, and deposit prevention in strictly halogenated systems. Use this extremely stable treatment when only using oxidizing biocides.

Feeding: Inject product in tower sump or recirc line to maintain testing range residual in recirculating water.

Testing: 7-11 ppm phosphonate

CT878 PREMIUM COOLING TREATMENT

Excellent multifunctional liquid cooling treatment that provides superior scale, corrosion, and deposit control. Use in systems with or without acid feed that have hard water makeup. This product remains stable when used with oxidizing and non-oxidizing biocides.

Feeding: Inject product in tower sump or recirc line to maintain testing range residual in recirculating water.

Testing: 8-12 ppm phosphonate.

5600 MICROBICIDE

CHLORINE TABS 3"

A broad spectrum oxidizing biocide that maintains available chlorine (90%) and effectively eliminates bacteria and algae. This is a stable chlorine which is not affected by elevated pH.

Feeding: Dose product in tower sump or recirc line to maintain testing ranges in recirculating water.

Testing: 0.5-1.0 ppm free chlorine, dip slide $<10^4$ cfu/mL.

8003-50 MICROBICIDE

BROMINE TABS 1"

A broad spectrum oxidizing biocide that eliminates bacteria and fungi and inhibits algae.

Feeding: Dose product in tower sump or recirc line to maintain testing ranges in recirculating water.

Testing: 0.5-1.0 ppm free chlorine, dip slide $<10^4$ cfu/mL.

A broad spectrum oxidizing biocide effectively eliminates bacteria and fungi and inhibits algae.

Feeding: Dose 4 oz per 1,000 gallons in tower sump or sufficient to maintain testing ranges in recirculating water.

Testing: 0.5-1.0 ppm free chlorine, dip slide $<10^4$ cfu/mL.

CT484 BIOSTATIC ANTIFOULANT

A concentrated non-oxidizing biostat that acts as an effective algaestat, fungistat and bacteriostat. This product controls algae, bacteria and fungi in towers and heat exchangers. Use this product also in evaporative coolers, scrubbers, air washers, humidifiers and other systems to control fouling and odors.

Feeding: Dose 8 oz per 1,000 gallons in sump 2-3 times weekly to maintain testing range in recirculating water.

Testing: Dip slide $<10^4$ cfu/mL.

XCT301 BELLACIDE301

A highly effective synergistic non-oxidizing biocide and biodispersant possessing both bactericidal and algaecidal properties. For use in open cooling systems, industrial process waters, and closed loops operating under 180°F. More effective than many other non-oxidizing biocides, it eliminates algae, fungi, and bacteria, including Legionella pneumophila and denitrifying bacteria, and controls biofilming microbes. In some cases, it eliminates the need for two separate biocides, and will not adversely interact with cooling water inhibitors.

Feeding: Dose 50-150 ppm to sump in open systems twice weekly to maintain testing range in recirc water; dose 35-100 oz per 1,000 gallons in closed loops to maintain testing range in recirc water.

Testing: Dip slide $<10^4$ cfu/mL.

XCT701 BROMMAX 7.1

A single-feed stabilized liquid bromine product for control of bacteria, algae, and slime in industrial and commercial recirculating cooling systems. With enhanced stability over sodium hypochlorite, it remains very effective in killing microbes and removing biofilm up to a pH of 9.0. It is less expensive than non-oxidizers and compatible with common scale and corrosion inhibitors.

Feeding: Dose 4-6.6 fl oz per 1,000 gallons in sump daily in the hot season and every other day in cool seasons to maintain testing ranges in recirculating water.

Testing: 5-7.5 ppm total chlorine, dip slide $<10^4$ cfu/mL.

CT580 ORGANIC DISPERSANT

An organic penetrant and dispersant that removes biological fouling in heat exchangers and cooling towers. Use also in evaporative coolers, scrubbers, air washers, humidifiers and other systems to control fouling and odors.

Feeding: Dose 20 oz per 1,000 gallons in sump daily until system is clean. Make sure to remove biomasses from strainers, separators, and small lines.

CS966 PREMIUM CLOSED SYSTEM TREATMENT

Multifunctional liquid product that combines excellent corrosion protection for all metals along with superior dispersion. Use in chilled and heating systems. Works with either soft or hard water makeup.

Feeding: Dose 1 gallon per 1,000 gallons to maintain testing range residual in system water.
Testing: 600-800 ppm nitrite for CHW, 800-1200 ppm nitrite for HW, 1200-1600 ppm nitrite for HW > 180° F

XCS855 CLOSED SYSTEM TREATMENT

A polyamine based treatment with other components for a complete scale and corrosion control program in hot and cold aluminum closed systems, aluminum boilers, and mixed metal heating and cooling closed loops composed of steel, yellow metals, stainless, aluminum and other compatible metals. Its pH is neutral, ideal for protecting soft metals like aluminum. It creates a film covering all metals that protects them from corrosion, yet improves system cleanliness and reliability. This product is stable over a wide range of temperatures and pressures.

Testing: 0.5-2.0 ppm OA (oleylamine); 7.0-8.5 pH in systems with aluminum components, 7.0-9.5 pH in systems with no aluminum components.

G110 GENERAL PRODUCTS

CORROSION INHIBITOR/PHOSPHATE

A phosphate based corrosion inhibitor for potable water systems. This product is used to prevent corrosion in large volumes of potable drinking water.

Feeding: Dose 4 gallons per 1,000,000 gallons of potable water.

G200 GENERAL PRODUCTS

ANTIFOAM-DEFOAMER

Add this product directly to a system as a foam suppressant. This product is a silicone-based and food-safe defoamer to be used anywhere a foaming problem exists.

Feeding: Dose 2-20 ppm product in system water. Very concentrated — do not overdose.

8100 ACID MAGIC

DESCALER

Acid Magic is a buffered hydrochloric acid (muriatic acid) product that actively dissolves hardness scale and deposits in water systems. It is less volatile than muriatic acid and easier to store. It does not contain phosphates or phosphorus compounds. The buffering agents prevent burns to intact skin. Yet it cleans, clarifies and etches like full-strength 20° Baume, equivalent to 31.45% muriatic acid.

TRISODIUM PHOSPHATE (TSP)

This product is a very alkaline cleaner that removes stubborn dirt, oil, grease and grime. It is an excellent heavy duty cleaner for newly installed steam boilers or heavily used older systems, such as closed loops.

PROPYLENE GLYCOL

NONTOXIC

This raw product is a miscible substance dissolving readily with water and other solvents. It is slightly viscous with low volatility. Propylene Glycol lowers the freezing point of water depending upon its concentration. It is often used to winterize the plumbing in closed loop systems and in vacant equipment for storage.

Feeding: Dosage varies with freeze point protection needs.

PROPYLENE GLYCOL

INHIBITED

Possessing all the physical characteristics of raw propylene glycol, this product also contains the added protection of inhibitors to prevent corrosion of black iron, yellow metals and aluminum.

Feeding: Dosage varies with freeze point protection needs, but no lower than 30% for proper corrosion inhibition.

ETHYLENE GLYCOL

INHIBITED

An excellent choice for freeze protection when compared to propylene glycol in both economy and performance. In common water treatment uses, ethylene glycol achieves lower freeze points than propylene glycol at the same percentages. Since this product and some concentrations of solutions used in heating and cooling systems are toxic to animals, exercise caution when using it, when leaks occur and when draining it.

Feeding: Dosage varies with freeze point protection needs, but no lower than 30% for proper corrosion inhibition.

XWS SALT

SOLAR SALT

Solar Salt is a highly purified sodium chloride product produced from solar evaporation of brine solutions then cleaned and re-crystallized to improve its purity to a minimum of 99.5% pure sodium chloride. It is then milled and screened so that the crystals form into irregular and somewhat rectangular particles to avoid a tendency to bridge in softener brine tanks. This product's primary use is for properly equipped commercial softener brine tanks to filter fine insolubles in order to avoid valve clogging.

Feeding: Maintain a mostly filled softener brine tank with product.



ABOUT BRODY CHEMICAL

Brody Chemical sells and provides service to over 50,000 customers in a variety of industries including manufacturing, industrial, mining, automotive, institutional, hospitality, trucking, food and beverage, agricultural and medical. Brody Chemical's sales representatives and service representatives are trained to offer technical assistance and recommendations in selecting solutions and cleaning processes that best meet the needs of the clients.

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