

<u>PRODUCT</u>		<u>RESULT</u>
Biocides		Microbial control
Polymers		By-product recovery
Enzymatics		Boilout cleaning
Antifoaming agents		Influent/effluent water
Corrosion inhibitors		Can protection

Choose Buckman for all of your food and beverage operational processes:  
microbicides, scale inhibitors, dispersants, enzymes, corrosion inhibitors,  
wastewater treatment polymers, and defoamers

In addition to the food and beverage, Buckman products and expertise are found in industries such as:  
hydrocarbon and chemical processing, utility, steel, pulp and paper, and other industrial segments.



Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the commercial arbitration rules of the American Arbitration Association, and judgement upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof. Printed in the U.S.A. W549W (3/04)

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## WATER TREATMENT FOR THE FOOD & BEVERAGE INDUSTRY



**Buckman**  
LABORATORIES

## FOOD AND BEVERAGE INDUSTRY

For over 50 years, Buckman has been solving a variety of water-related problems in industrial plants. We as a company are committed to customer service and to delivering solutions that are uniquely designed to help customers increase productivity, improve quality, and comply with environmental standards.

Buckman water treatment programs and services offer the following benefits to the Food and Beverage industry:

- To protect investments in expensive equipment
- To prevent downtime that accompanies equipment inefficiency
- To safeguard products
- To reduce costs that accompany water conservation
- To maintain compliance with government regulations

Buckman offers technical expertise, quality products, and dependable service to assist food and beverage production facilities worldwide. We deliver practical, cost-effective solutions for many types of water systems:

- **Steam/Condensate System:** Programs to minimize corrosion, the buildup of scale and deposits, and problems due to microbial growth.
- **Cooling Water System:** Programs to maintain system at peak efficiency by reducing corrosion, mineral scale deposition, and the unchecked growth of microbes.
- **Wastewater System:** Programs featuring flocculants and coagulants to achieve a high level of water clarity in the effluent and effective sludge dewatering and conditioning.
- **Pretreatment System:** Buckman Laboratories' Permeate Protector Program™ safeguards the integrity and increases life expectancy of reverse osmosis elements with microbicides, dispersants, scale inhibitors, and membrane cleaning formulations.

The beverage/brewing industry relies on sterile processes to control microbiological contamination in the large quantities of water that it uses on a daily basis. Buckman has developed a product line for sterilization processes that is specifically designed to prevent fouling, corrosion, and scale formation under the extreme operating conditions found in these processes. Our environmentally responsible technologies provide increased efficiency and profitability in the operation of sterilizers and cookers. In addition, our team of experts possesses extensive experience using ATP technology to provide rapid microbial assessment and proactive treatment with microbicides to prevent the growth of contaminants before they become a problem for producers.

Vegetable canning plants operate under considerable pressure to process as much product as possible within the time limits that nature imposes. Lost production occurs when stained or corroded cans must be set aside for manual cleaning. Consumers expect cans to be clean and shiny; even small amounts of corrosion convey the impression that the product is substandard and unsafe.

A combination of corrosion and scale inhibitor is used to provide positive protection to cans as they pass through cookers/retorts. By using high temperature inhibitors, the cans emerge from the cooking cycle looking clean and shiny. More importantly, the inhibitor film continues to provide protection even if the cans are exposed to moisture later on.



## CURRENT APPLICATIONS

A bean cannery had a history of problems with rusting due to water drops remaining on the cans after cooking. At times, up to 5% of their production was being cleaned manually which interfered with their production quotas, not to mention the cost of having to polish the cans to remove rust stains. With the conversion to the Buckman program, they were able to eliminate the manual polishing on rejects, since it now rarely occurred. Five years later, the plant is still using the same technology and sees it as being an integral part of their quality control program.



Buckman's value-added programs offer specialized products, innovative services and technologies, and customized feed and monitoring equipment specifically designed to optimize operations and improve profitability. Buckman has also pioneered innovative products such as the Transition Workshop, Problem-Solving Guide, Requirement Alignment Tool, Customer Satisfaction Survey, and the Eight Business Management Standards. These tools provide a reliable framework for conducting business and solving problems at your plant site.

Buckman representatives will design chemical applications specifically tailored to the customer's system. Our highly trained technical experts offer the expertise to maximize performance and also supply methods and techniques to identify and determine the cause of operating difficulties. Whatever your operational challenges – reducing scale/deposit formation, lowering production costs, meeting government regulations, or maintaining quality – you can count on Buckman.

**Because it's not just chemicals you want, it's results.**

