



BREWERY  
**CLEANING  
SOLUTIONS**

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SUPERIOR CHEMISTRY EXPERTLY APPLIED



AlphaChemical

# SANITATION CHEMISTRY

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## FOR BREWERS

Sanitation in the brewing and winemaking industry is more important today than ever. You need confidence in your chemical supplier that it can provide the most up-to-date products and cleaning procedures available. At Alpha, we understand that and make it our priority to constantly remain ahead of the curve with innovative products, procedures, and equipment available to the brewing and winemaking industry.

Alpha Chemical Services began manufacturing products and providing service to the food and beverage processing industry in 1969. We began with a history of expertise in this industry and have continued to build on that expertise.



A photograph of industrial equipment, likely for food processing sanitation, featuring several large white tanks and pumps. The image is partially obscured by a diagonal red and orange gradient overlay.

# EQUIPMENT

## CUSTOM DESIGNED SYSTEMS

We combine advanced equipment, innovative technology, custom design and know-how to provide companies in the food processing industry with the best solutions to meet their cleaning and sanitation needs with greater safety and controlled costs. When you work with Alpha Chemical, you'll have access to state-of-the-art equipment. We're happy to work with you to create a custom solution that suits the requirements of your application and remains both effective and economical.

- ▶ *Alpha Chemical custom designs and installs systems that meet your budget*
- ▶ *Optimize sanitation chemical efficiency*
- ▶ *Improve worker safety by eliminating sanitation personnel handling chemical concentrates*
- ▶ *Reduce cross contamination*
- ▶ *Ongoing service and maintenance support*
- ▶ *Personnel training*



# SAFETY & TRAINING

## Food Safety Division Services

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*Alpha Chemical will custom design & install systems to meet your budget*

- ▶ Optimize sanitation chemical efficiency
- ▶ Improve worker safety by eliminating sanitation personnel handling chemical concentrates
- ▶ Reduce cross contamination
- ▶ Written Sanitation Standard Operating Procedures (SSOPs)
- ▶ Bacteriological laboratory support
- ▶ Monthly chemical titrations
- ▶ Monthly usage reports
- ▶ "Right to Know" training
- ▶ Good Manufacturing Practice training (GMP)
- ▶ Secondary labels
- ▶ Safety posters
- ▶ Personal Protective Equipment (PPE) signs
- ▶ Chemical handling charts
- ▶ Employee hygiene signs





Secondary Labels



Monthly Chemical Titrations  
& Usage Reports



"Right to Know" Training



G.M.P Training



Employee Hygiene Signs



Safety & PPE Posters

# PRODUCTS

## CAUSTIC CLEANERS

### **ALPHA SHEEN**

Highly concentrated, heavy duty, liquid caustic detergent. Designed to remove the toughest soils in the brewing industry. The choice cleaner for high-temperature CIP and COP applications.

### **ALPHA SHEEN PLUS**

Formulated with surfactants for better rinsing; this highly concentrated, heavy duty, liquid caustic detergent is designed for use on the toughest soils.

### **FORTES**

Heavy duty, moderate foaming detergent. Removes heavy accumulations of grease, carbonized soils, and oils. Completely free rinsing. Contains surfactants, wetting agents and grease cutting solvents. Effective in hard water areas.

## ACID DETERGENTS

### **VERACITY™ ACID CLEANER**

A self-indicative, heavy duty, low foaming acid cleaner and stain remover for use in all manner of brewery cleaning. Veracity is safer, stronger and more effective in all cleaning aspects than a nitric/phosphoric acids. This cleaner is most effective below a pH of 2.0 and alerts the user of its pH at all times. Veracity is pink/red in color when the pH is below 2. At a pH greater than 2 Veracity's color changes to yellow alerting the brewer. Veracity has no toxic fumes, is readily biodegradable and is free of nitrogen, phosphorous, and halogens. Veracity keeps metallic and nonmetallic cations in solution such as manganese, iron, calcium and magnesium soluble in near neutral pH during the final rinse cycle. When used as an acid cleaner Veracity releases 10x more protons than phosphoric acid making it able to maintain a lower pH in cleaning and dissolution of scale developed in brewing process.

### **ALPHA ACID BREWERY CLEANER**

Heavy duty, low foaming, acid cleaner/neutralizer, designed for use in the brewing industry. Excellent for passivation. Alpha Acid Brewery Cleaner may be used to clean surfaces found in the brewing industry. It is ideal as a CIP cleaner to remove rust and mineral deposits. Ease of preparation, testing, and its stability. Alpha Acid Brewery Cleaner can be used through manual cleaner as well as CIP systems.

### **BSR**

Heavy duty, non-phosphate, acid detergent. Removes beerstone and mineral deposits as a CIP cleaner. Readily biodegradable and yields hardly any contribution to COD. Free of nitrogen, phosphorus and halogens. Ease of preparation, testing, and its stability keeping metallic and nonmetallic cations in solution even under neutral conditions make BSR the choice of brewery sanitarians.

## **ALUMINUM SAFE DETERGENTS**

### **POWDER KEG**

Low foaming, CIP cleaner. Safe for cleaning aluminum surfaces in addition to stainless steel. Powder Keg works exceptionally in hard water areas and prevents beerstone deposits. Can be used for CIP in aluminum kegs and for manual cleaning of small parts and piping.

## **CHLORINATED CLEANERS**

### **LAC-3000**

Highly efficient, non-foaming, chlorinated, detergent. Concentrated and free rinsing. Can be applied to remove cooked-on soils or used through CIP systems. Provides excellent results on many hard to remove soils.

### **LD-300**

High foaming, alkaline, chlorinated formulation. LD-300 may be used to clean floors, walls, and tank exteriors and can be dispensed through wall mounts, portable foam units or central foam stations. Do not use on aluminum or galvanized surfaces.

## **SANITIZERS**

### **PERASAN A**

Excellent bactericidal and fungicidal activity against a wide range of microorganisms in cold or warm water. Contains 5.6% peracetic acid. An equilibrium mixture of peracetic, hydrogen peroxide, acetic acid, proprietary ingredients, and water.

### **ALPHA DYNE**

Low foaming, liquid iodophor sanitizer formulated for use by the brewing industry. Easy to use. Economical dilution ratio. Suited for continuous or automatic-feeding of central sanitizing systems. Alpha Dyne is a sanitizer for use after cleaning processing equipment, tanks, filters, fillers, lines, and other stainless steel equipment.



A man in a light-colored shirt and trousers is standing in a brewery, adjusting a piece of equipment. The scene is overlaid with a blue gradient. The text "SANITATION CRAFTED FOR BREWERS" is prominently displayed on the left side.

# **SANITATION**

CRAFTED FOR

# **BREWERS**

### **BioSide HS 15%**

An equilibrium mixture of peracetic acid, hydrogen peroxide, acetic acid, proprietary ingredients, and water. BioSide HS 15% is a food grade sanitizer used in the brewery industry for CIP pipeline cleaning. Appropriate for organic production sanitizing as approved by the NOP.

### **OXINE**

A highly refined blend of oxychloro species containing purified sodium chlorite. When activated, chlorine dioxide is produced, greatly enhancing OXINE's antimicrobial activity. With applications in the food processing and water treatment industries. OXINE displays broad spectrum antimicrobial activity, proven effective against Legionella, E. Coli O157:H7, Salmonella, Aspergillus, Listeria, Staphylococcus and Pseudomonas, among others. This product is especially suited for the removal and subsequent control of biofilm. OXINE is EPA registered and organically approved through Organic Materials Review Institute (OMRI) and possesses a myriad of other approvals.

### **ALPHA BAC 10**

Quaternary ammonium sanitizer. May be used to sanitize all surfaces found in the brewing environment. Approved as a no-rinse sanitizer at 200-400 ppm. Alpha BAC 10 is an ideal sanitizer in three bay sinks and through fogging systems because it is less corrosive than other sanitizers. Ease of preparation, testing, and its stability make Alpha BAC 10 the choice of professional brewery sanitarians. Alpha BAC 10 may be used through wall mounted systems, portable tanks, or central sanitizing stations.

## **SPECIALTY PRODUCTS**

### **ACCELERATE**

Adds the cleaning power of hydrogen peroxide to CIP caustic cleaning solutions by pulling electrons from the molecules of soils in the clean-up process. Unlike hydrogen peroxide: (1) Packaged in 4 lb. containers, ACCELERATE can be easily handled and poured into CIP cleaning solutions, (2) Prevents build-up of minerals & beer-stone, (3) Kills foam which interferes with cleaning efficiency, (4) Wets surfaces faster allowing sodium hydroxide to penetrate and remove difficult soils more effectively, (5) Brightens stainless steel.

### **HI-LO**

Wetting and de-foaming agent. Use with high pH and low pH product at end dilution.

### **LUBE 2012**

Water-based conveyor lubricant for the brewing industry. The di-acid property of this lubricant ensures and provides excellent glass-to-surface lubricity with moderate foam. Even under adverse conditions, this dual acid functionality makes molecules more attractive to glass and metal surfaces creating a chemical protection barrier and inhibiting corrosion. Hard water tolerance of LUBE 2012 is superior, expanding its versatility in hard water regions of the country.

### **NO FOAM**

Vegetable-oil based kettle and fermenter anti-foam additive.

### **AF-22**

Food grade in compliance with the regulations of the U.S. Food and Drug Administrations as cited in 21 CFR 173.340, defoaming agents used in processing foods. Use quantities should be based upon the limitations as prescribed by the FDA. The FDA mandates a maximum of 10 ppm by weight of polydimethylsiloxane (silicone) in food, or 100 ppm of AF-22.



# **SUPERIOR CHEMISTRY**

EXPERTLY APPLIED





## DRAUGHT LINE CLEANERS

### **VERACITY™ C-DLC**

Self-indicative, heavy duty, low foaming, caustic draught line cleaner and stain remover for use in all manners of line and hose cleaning. Veracity C-DLC is more effective than other products on the market because of the conditioning agents used in its composition. Instead of just turning the soil in the line into soap, Veracity C-DLC captures the soils and sweeps them away in the fluid stream. This cleaner is most effective above a pH of 12 and will alert the user of pH at all times. Veracity C-DLC appears blue when it is cleaning properly and encounters no soil in the draught line. When Veracity CDLC encounters draught line soil, it will turn to a yellow color. If the operator notices a brown color it is because the cleaner has turned yellow and the brown coloration is a result of the soil being removed.

### **VERACITY™ A-DLC**

Self-indicative, heavy duty, low foaming acid cleaner and stain remover for use in all manner of brewery cleaning. Veracity A-DLC is safer, stronger and more effective in all cleaning aspects than a nitric/phosphoric acids. This cleaner is most effective below a pH of 2.0 and alerts the user of its pH at all times. Veracity A-DLC is red/pink in its natural form and remains pink as it is diluted with water. This acid cleaner will remain pink at all pH points below 1.0 and up to 1.05 at a pH of 1.5 the color will change to red and above a pH of 2.0 Veracity A-DLC will turn yellow. Veracity A-DLC has no toxic fumes, is readily biodegradable and is free of nitrogen, phosphorous, and halogens. Veracity A-DLC can keep metallic and nonmetallic cations in solution such as manganese, iron, calcium and magnesium soluble in near neutral pH during the final rinse cycle. When used as an acid cleaner Veracity A-DLC releases 10x more protons than phosphoric acid making it able to maintain a lower pH in cleaning and dissolution of scale.

### **VERACITY™ JOCKEY BOX CLEANER**

Self-indicative, heavy duty, non-foaming cleaner. Designed for mechanical cleaning systems to clean jockey boxes and equipment containing soft metals. Captures tough soils and sweeps them away in the fluid stream. Due to its efficient inhibitor, Jockey Box Cleaner can clean soft metals, such as aluminum and other non-ferrous metals, in use dilution. Veracity Jockey Box Cleaner appears blue when it is cleaning properly and encounters no soil in the Jockey Box. When the cleaner encounters soil, it will turn to a yellow color. If the operator notices a brown color it is because the cleaner has turned yellow and the brown coloration is a result of the soil being removed.

Be sure to read all Directions, Precautionary and First Aid Statements on product labels and Safety Data Sheets before use of these or any Alpha Chemical products.



# AlphaChemical

**FOR MORE INFORMATION  
CONTACT US.**

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