

## BAC TO BASICS

Benzalkonium Chloride

10% Concentrate



### **Bactericide, Virucide, Disinfectant, Deodorizer, Surface Cleaner, Sanitizer**

BAC to Basics is a multi-use disinfectant with a wide range of applications to disinfect and sanitize surfaces and eliminate 99.999% of bacterial agents and is an effective virucide with a 10 minutes contact time. This non-alcohol-based product can be used for personal hygiene, domestic household, clinical / hospital, food line, livestock, and other applications

**Active Ingredient:** Benzalkonium Chloride

**Other Ingredients:** Water, Solubilizer, Peppermint Oil, Eucalyptus Oil

### **Dilution Direction:**

To disinfect and clean surfaces and objects, mix 1 part with 100 parts water (1:100 solution).

**1 gallon makes 100 gallons**

**1 gallon makes 2 drums**

**10 ml makes 1 liter ready to use as a virucide.**

To disinfect and deodorize large public areas and farms, mix 1 part with 200 parts water (1:200 solution).

### **Regulation:**

Approved by US Environmental Protection Agency

Approved by National Environment Agency

Compliant with FDA regulations under Household Urban Hazardous Substances (HUHS)

### **Disinfectant Performance**

**Kills the following common organisms, but not exclusively:**

<b><i>Bacteria</i></b>	<b><i>Virus</i></b>	<b><i>Animal Premise Virus</i></b>	<b><i>Fungi</i></b>
<i>Acinetobacter</i>	<i>Avian Influenza</i>	<i>Avian Infectious Bronchitis</i>	<i>Candida Albicans</i>
<i>Bordetella</i>	<i>Coronavirus</i>	<i>Avian Influenza</i>	<i>Trichophyton Mentagrophytes</i>
<i>Citrobacter</i>	<i>Cytomegalovirus</i>	<i>Canine Coronavirus</i>	
<i>Enterobacter</i>	<i>Hantavirus</i>	<i>Canine Distemper</i>	<b><i>Mildew*</i></b>
<i>Escherichia coli</i>	<i>Hepatitis B</i>	<i>Feline Picornavirus</i>	<i>Aspergillus niger</i>
<i>Enterococcus</i>	<i>Hepatitis C</i>	<i>Infectious Bovine Virus</i>	
<i>Klebsiella</i>	<i>Herpes Simplex</i>	<i>Pseudorabies</i>	<b><i>*mildewstat</i></b>
<i>Listeria</i>	<i>HIV 1</i>	<i>Swine Influenza</i>	
<i>Micrococcus</i>	<i>Influenza A</i>	<i>Transmissible Gastroenteritis</i>	
<i>Proteus</i>	<i>Vaccinia Virus</i>	<i>Canine Parvovirus</i>	
<i>Pseudomonas</i>		<i>Rabies</i>	
<i>Salmonella</i>			
<i>Shigella</i>			
<i>Staphylococcus</i>			
<i>Streptococcus</i>			
<i>Vibrio cholera</i>			

### **Product Features and Benefits**

- Economical concentrate, helps reduce inventory need and controls costs
- One-step Solution: Cleans, disinfects and deodorizes in one step
- Versatile / Compatible with many types of surfaces
- Effective bactericide and virucide / broad spectrum product
- For use on hard, non-porous surfaces like floors, walls, toilet bowl surfaces, sinks, showers, lavatory fixtures, finished woodwork, vinyl and plastic upholstery, etc.
- Can be applied through low pressure sprayers, trigger or pump sprayers and misting machines.
- Can be used with mop and bucket, sponge, soft cloth, or by soaking
- Generally, no rinsing required
- No alcohol, chlorine, abrasives
- Non-dulling / not damaging to most surfaces

**General Use:**

Antibacterial, Antiviral, Fungicide

Mildewstat

Disinfectant, Deodorizer

For indoor and outdoor use

For cost-effective housekeeping, hygiene and sanitation

For treating hard, non-porous, frequently touched surfaces responsible for cross-contamination

Recommended contact time: 10 minutes

**Areas of Application:**

Household, homes, residences, condominium, apartments

Hospitals, clinics, laboratories, medical institutions

Hotels and resorts

Malls, department stores, supermarkets, convenience stores, public markets

Commercial and business establishments

Food establishments, restaurants, bars, café, bakeshops

Health and sports clubs, arena, spa, gym

Funeral parlors, mortuaries

Places of worship, church

Office buildings, workplace, workstations

Financial institutions, banks

Educational institutions, schools, day care centers

Recreational areas, picnic facilities, playgrounds

Plants and factories

Government buildings and offices

Fire and police stations, correctional facilities, penitentiaries

Public locations, transport terminals, airports, shipping ports

Public transportation, land, air, sea

Emergency vehicles, ambulance, fire trucks, police cars

Private vehicles

Farms, poultry, cattle, swine, and other animal premises

Hard and non-porous surfaces, metal, plastic, glass, finished woodwork, glazed ceramic, etc.

Floors, walls, ceilings, fixtures

Equipment, elevators, furniture, machines, tools, appliances, etc.

Area	Index
Residential and Household/ Non-food Products	Hard Surfaces: Floors, Walls, Counters, Etc. 1. Clean all hard surfaces like counters, doorknobs, railings, etc. 2. Apply using sprayer, cloth or any appropriate material and allow 10 minutes dwell time for the product to work.

<p>Recommended Dilution 1:100</p>	<ol style="list-style-type: none"> <li>3. Wipe with soft cloth. Product is water-based and has slow evaporation rate.</li> <li>4. For surfaces which come in contact with food, rinse with water and wipe dry.</li> <li>5. For disinfection of walls, product can be left to dry.</li> </ol> <p>For Rugs, Carpets, Etc.</p> <ol style="list-style-type: none"> <li>1. Vacuum area rugs, carpets</li> <li>2. For area rugs, upholstery and similar materials, care should be taken as necessary.</li> </ol> <p>Note: Not intended for eating and cooking utensils</p>
<p>Bathrooms and Restrooms</p> <p>Recommended Dilution 1:100</p>	<p>Bathrooms, Locker rooms, Restrooms and Large Open Areas with Water Drain</p> <ol style="list-style-type: none"> <li>1. Pre-clean all hard surfaces including sink using appropriate brush and multi-purpose cleaner. Attention to be given to areas in-between tiles, intersection of walls &amp; floors, toilet bowl and urinals, corresponding covers, and especially under the rim.</li> <li>2. Likewise, clean all metal parts- faucets and shower heads, bidet, etc.</li> <li>3. Apply BAC to Basics product using sprayer, cloth or any appropriate material on all exposed surfaces and allow 10 minutes dwell time for the product to work.</li> <li>4. After the 10-minute period, flush toilet and urinal.</li> <li>5. For waterless urinals, remove and dispose cartridge in accordance to manufacturer's directions. Replace with new cartridge before re-use.</li> <li>6. For disinfection of walls and floors product can be left to dry.</li> <li>7. Repeat as often as necessary.</li> </ol>
<p>Hospitals, Clinics, Laboratories, Medical Institutions</p> <p>Recommended Dilution 1:100</p>	<p>BAC to Basics safely incorporates both Microbicidal &amp; Detergency Properties into Products for Soil Penetration &amp; Disinfection, which makes it ideal for hospital, clinics, laboratories dental and other medical institutions.</p> <p>Hard Surfaces: Floors, Walls, Counters, Etc.</p> <ol style="list-style-type: none"> <li>1. Clean all hard surfaces like counters, doorknobs, railings, etc.</li> <li>2. Apply using sprayer, cloth or any appropriate material and allow 10 minutes dwell time for the product to work.</li> <li>3. Wipe with soft cloth. Product is water-based and has slow evaporation rate.</li> <li>4. For disinfection of walls, product can be left to dry</li> </ol> <p>For Non-porous surfaces with Body Fluids (e.g., blood)</p> <ol style="list-style-type: none"> <li>1. Use appropriate PPEs – Personal Protective Equipment.</li> <li>2. Proceed as per above, starting with cleaning of all surfaces.</li> </ol> <p>For Surgical Instrument: Pre-wash, soak in 1:100 solution, sterilize under usual condition.</p> <p>For Ultrasonic Bath Disinfectant</p> <ul style="list-style-type: none"> <li>▪ Pre-clean specific soiled areas.</li> <li>▪ Pour directly 1:100 solution to bath chamber.</li> </ul>

	<ul style="list-style-type: none"> <li>▪ Place objects into unit and operate device for a minimum of 10 minutes or according to manufacturer's direction for use/ whichever is longer.</li> <li>▪ Remove objects, rinse with sterile water, and allow to dry.</li> </ul> <p>For hard, non-porous surfaces on PPEs including respirators</p> <ul style="list-style-type: none"> <li>▪ Pre-clean heavily soiled equipment.</li> <li>▪ Apply 1:100 solution with trigger sprayer, sponge, brush or cloth. Rub.</li> <li>▪ Allow 10 minutes contact time.</li> <li>▪ Allow to dry. Remove excess solution before storage of equipment.</li> <li>▪ Follow standard cleaning procedure for respirator.</li> </ul>
<p>General Use</p> <p>Recommended Dilution 1:100</p> <p>Miscellaneous Application</p> <p>Recommended Dilution 1:100</p> <p>Animal Premises</p> <p>Recommended Dilution 1:100 or 1:200 Depending on Application</p>	<p>BAC to Basics is highly effective against Mold, Mildew, Moss, Fungi &amp; Algae and is used for cleaning and preparation of all types of Surfaces.</p> <p>Mold, Fungi, Mildew</p> <ol style="list-style-type: none"> <li>1. Clean all hard surfaces with soap and detergent and rinse with water.</li> <li>2. Apply using sprayer, cloth or any appropriate material and allow 10 minutes dwell time for the product to work. For spray application, spray 6-8 inches from surface.</li> <li>3. Allow to dry. Wipe clean with soft cloth.</li> <li>4. Keep treated spaces ventilated.</li> <li>5. Repeat treatment every 7 days or as often as new growth is observed.</li> <li>6. To control mold and mildew on non-porous athletic equipment, e.g., mats, training and exercise equipment, boxing headgear and gloves, helmets, etc.</li> <li>7. Follow the same process for non-porous plastic and rubber structures and materials indoor or outdoor.</li> <li>8. Do not use equipment until solution has been absorbed or dried.</li> </ol> <ol style="list-style-type: none"> <li>1. General disinfection of rooms and surfaces</li> <li>2. Automobiles, trucks, buses, other modes of transportation</li> <li>3. Waiting areas, lobby, elevators, etc.</li> <li>4. Marketplace and related areas</li> <li>5. Barbershop, salons, etc.</li> <li>6. Shoe bath, shoe mats, etc.</li> <li>7. Glass surfaces</li> </ol> <p>Before the use of this product:</p> <ol style="list-style-type: none"> <li>1. Remove all animals and feeds from the general area, enclosures, kennels, cages or stables.</li> <li>2. Remove litter, droppings, manure and urine from floors, walls, surfaces and fixtures in the premises.</li> <li>3. Empty all feeding racks and drinking implements.</li> <li>4. Thoroughly clean the area with soap or detergent and rinse with water.</li> </ol> <p>For use as disinfectant/ virucide</p> <ol style="list-style-type: none"> <li>1. Depending on the size of area or desired degree of disinfection, apply 1:100 or 1:200 solution with trigger sprayer, sponge, brush, cloth or mop. For spray application, spray 6-8 inches from surface.</li> </ol>

Food & Beverage Industry	<ol style="list-style-type: none"> <li>2. Allow 10 minutes dwell time for the product to work.</li> <li>3. Allow treated surface to dry.</li> <li>4. Keep treated spaces ventilated.</li> <li>5. Soak halters and other equipment used in handling and restraining the animals including tools like shovels and forks.</li> <li>6. Wash thoroughly the feeding racks and drinking implements with soap or detergent and rinse with water before reuse.</li> <li>7. Do not bring back the animals or use the equipment until solution has been absorbed and dried.</li> <li>8. For huge areas like farms, stables, hatcheries, barns, poultry, piggery, and alike, follow usual cleaning and disinfecting procedure as above and use the recommended 1:200 solution.</li> </ol> <p>On account of its non-toxic, non-corrosive, non-tainting, non-staining characteristics, BAC to Basics can be used as Cleaner-Sanitizer for various industries:</p> <table border="1" data-bbox="512 696 1334 954"> <tr> <td>Dairy Industry</td> <td>Fisheries</td> <td>Food Storage Tanks</td> </tr> <tr> <td>Slaughter Houses</td> <td>Bottling Plants</td> <td>Milk Storage Tanks</td> </tr> <tr> <td>Breweries</td> <td>Catering Industry</td> <td>Cold Storage plants</td> </tr> </table>	Dairy Industry	Fisheries	Food Storage Tanks	Slaughter Houses	Bottling Plants	Milk Storage Tanks	Breweries	Catering Industry	Cold Storage plants
Dairy Industry	Fisheries	Food Storage Tanks								
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Miscellaneous Application	Benzalkonium Chloride is used in Water & Effluent Treatment Formulations and Algaecides for Swimming Pools									

**Hazards Identification**

Hazard Statement

Caution: Keep out of reach of children.  
 Product is concentrated.  
 May irritate eyes and skin.  
 Do not take internally

First Aid: in case of accidental ingestion, drink a glassful of water/ call physician. In case of eye or skin contact, rinse immediately with running water. If irritation persists, seek medical advice.

Hazards to the Environment

This product is toxic to fish, oysters, shrimps and aquatic invertebrates. Discharging effluent containing this product into sewer systems, lakes, streams, rivers and other bodies of water may be harmful.

**Storage and Handling**

Keep this product out of children’s reach and of persons not familiar with the product’s proper use.

Store in original packing only at room temperature.  
Do not contaminate food, water and feeds.  
Ensure good ventilation / exhaust system at the workplace

For Household, Commercial or Industrial use

Non-refillable container / Not for reuse

Triple rinse by filling container  $\frac{1}{4}$  full with water, replace and tighten cap, shake, tip and roll container back and forth for at least 10 seconds. Drain. Observe proper waste disposal of wash water.

If available, offer for recycling or destroy and place in garbage.