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EPA Reg. No. 1677-43AA

**STER-BAC***Quaternary Ammonium Sanitizer*

ACCEPTED

JUL 3 1 1986

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 1677-43**ACTIVE INGREDIENTS:**(n-Alkyl [50% C<sub>14</sub>, 40% C<sub>12</sub>, 10% C<sub>16</sub>] dimethyl benzyl ammonium chloride)

10.00%

**INERT INGREDIENTS:**

90.00%

TOTAL

100.00%

**KEEP OUT OF REACH OF CHILDREN  
DANGER****PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS AND DOMESTIC ANIMALS:**

**DANGER:** Causes severe eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Wash thoroughly with soap and water after handling. Avoid contamination of foods.

**ENVIRONMENTAL HAZARDS:**

This product is toxic to fish. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in a NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Manufactured by:

Klenzade Division,  
Economics Laboratory, Inc., Osborn Building,  
St. Paul, Minnesota 55102 ©, 1986

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Printed in U.S.A.

**FIRST AID**

**EXTERNAL:** IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER. REMOVE AND WASH CONTAMINATED CLOTHING.

**EYES:** IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

**INTERNAL:** IF SWALLOWED, IMMEDIATELY DRINK A LARGE QUANTITY OF MILK, EGG WHITES OR GELATIN SOLUTION. IF THESE ARE NOT AVAILABLE, DRINK LARGE QUANTITIES OF WATER. GET MEDICAL ATTENTION IMMEDIATELY.

**FOR EMERGENCY MEDICAL INFORMATION, CALL  
TOLL-FREE 1-800-328-0026.**

**NET CONTENTS:****55** U.S. GALS. (208.8 l)**DIRECTIONS FOR USE:**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**DEODORIZING**

After cleaning, deodorize waste containers and inaccessible areas in food processing plants with 1 oz. Ster-Bac to 1 gallon of water (800 ppm). Flush surfaces thoroughly or apply by mopping or sponging onto the surface.

**DISINFECTING**

Disinfect previously cleaned hard surfaces such as walls, floors, woodwork, sinks bathroom fixtures, with 1 oz. of Ster-Bac to 2 gallons of water (400 ppm). For disinfecting previously cleaned porous surfaces such as ceiling board, chopping blocks, pallets, rubber conveyor belts, in meat, poultry and other food processing operations use 1 oz. Ster-Bac to 1 gallon of water (800 ppm). Flush surfaces thoroughly. Food contact surfaces which are disinfected, must be thoroughly rinsed with potable water prior to reuse.

Fogging can be used as an adjunct to acceptable manual cleaning and disinfecting as described above. Prior to fogging as a adjunct to acceptable manual cleaning and disinfecting, food products and packaging materials must be removed from the room or carefully protected. Fog desired areas using one quart per 1000 cu. ft. of room area with a Ster-Bac solution containing 1.5 oz. of Ster-Bac to 1 gallon of water providing 1200 ppm active quaternary. Vacate the area of all personnel for a minimum of 2 hours after fogging. All food contact surfaces must then be thoroughly rinsed with potable water or a Ster-Bac solution of 200 ppm active quaternary. Allow surface to drain thoroughly before operations are resumed.

**SANITIZING**

For sanitation of equipment in food processing plants, clean and rinse equipment thoroughly. Then rinse equipment with sanitizing solution of 1 oz. Ster-Bac to 4 gallons of water. Allow equipment to air dry.

**GUARANTEED PHENOL COEFFICIENT AT 20°**

Staphylococcus aureus ..... 75  
Salmonella typhosa ..... 50

**LOCAL AND STATE REGULATIONS**

Where local or state regulations are in effect concerning quaternary compounds, consult them for recommended dilutions and procedures. Ster-Bac, fulfills the criteria of Appendix F of the Grade 'A' Pasteurized Milk Ordinance 1978. Recommendations of the U.S. Public Health Service in waters up to 550 ppm of hardness calculated as CaCO<sub>3</sub> when tested by the A.O.A.C. Germicidal and Detergent Sanitizers Official Method.

**STORAGE AND DISPOSAL****PESTICIDE DISPOSAL:**

Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:**

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

EPA Est. 1677-IL-2

# STER-BAC



**Sanitizer • Disinfectant • Deodorizer**

STER-BAC is a quaternary ammonium, no-rinse liquid sanitizer. For effective sanitizing, disinfecting, and deodorizing in foodservice operations. Broad spectrum bacterial efficacy.

## **ECONOMICAL, VERSATILE SANITIZER FOR FOODSERVICE OPERATIONS**

Use STER-BAC to sanitize dishware and glasses, food preparation equipment, floors, walls, furniture, porcelain, and metals. It can be used as a sanitizing rinse in a three-compartment sink. One gallon of STER-BAC makes up to 512 gallons of sanitizing rinse solution.

## **NO-RINSE SANITIZER (200 ppm active quaternary)**

When used as directed, STER-BAC complies with FDA Food Additive Regulations For Sanitizing Solutions which are not to be followed with a potable water rinse.

## **WORKS IN HARD WATER**

STER-BAC is effective in water hardness up to 500 ppm (calculated as  $\text{CaCO}_3$ ) as tested by the A.O.A.C. Germicidal and Detergent Sanitizer Official Method.

## **BROAD SPECTRUM DISINFECTANT**

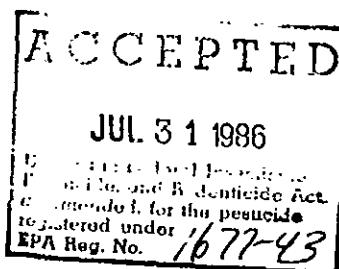
STER-BAC passes the official A.O.A.C. use dilution test on *Staphylococcus aureus*, *Salmonella choleraesuis*, and *Pseudomonas aeruginosa* at 400 ppm active quaternary.

## **EXCELLENT DEODORIZER**

STER-BAC destroys odor causing bacteria—actually neutralizes unpleasant odors.

## **METAL SAFE**

At recommended use concentrations, STER-BAC is safe for use with all metals including aluminum, silver, and pewter.



# STER-BAC

**Sanitizer • Disinfectant • Deodorizer**

## STATEMENT OF INGREDIENTS:

ACTIVE: n-Alkyl (50% C<sub>14</sub>, 40% C<sub>12</sub>, 10% C<sub>10</sub>) dimethyl benzyl ammonium chloride ..... 90%  
Inert ..... 90%

## PROPERTIES

Form .....	liquid	pH 1.00% solution .....	7.9
Color .....	clear	0.1 solution .....	7.6
Odor .....	sweet	Specific gravity at 75F. ....	0.9925
Foam .....	high		
Wetting Ability .....	good		

## DIRECTIONS FOR USE

### SANITIZING

For sanitization of eating utensils, food preparation utensils, and equipment, first clean thoroughly and rinse with potable water. Then rinse with sanitizing solution of 1 oz. of STER-BAC to 4 gallons of water providing 200 ppm active quaternary. Drain and air dry.

When used in accordance with directions, STER-BAC is not harmful to metal surfaces including aluminum and zinc. Like all quaternary ammoniums, it is not compatible with anionic detergents and due care should be exercised in preventing the mixing of the two products in order to provide film-free surfaces and effective sanitization.

### DISINFECTING

Disinfect previously cleaned hard surfaces such as walls, floors, woodwork, sinks, bathroom fixtures with 1 oz. of STER-BAC to 2 gallons of water providing 400 ppm active quaternary.

For disinfecting previously cleaned porous surfaces in food preparation and handling areas, use 1 oz. of STER-BAC to 1 gallon of water providing 800 ppm active quaternary. Apply disinfectant as a spray.

Food contact surfaces which are disinfected must be thoroughly rinsed with a sanitizing solution of STER-BAC.

### DEODORIZING

After cleaning, deodorize waste containers and inaccessible areas in foodservice operations with 1 oz. of STER-BAC to 1 gallon of water providing 800 ppm active quaternary. Apply as spray or flush surfaces thoroughly.

EPA REG. NO. 1677-43AA

# STER-BAC®

## PRODUCT DESCRIPTION

STER-BAC, Formula KQ-12, is a liquid quaternary ammonium sanitizer.

## BENEFITS

- Cost effective control of mold and odors
- Broad spectrum of bacterial efficacy
- Convenient to use—easily proportioned through sprayers or injection meters

## ADVANTAGES

- Non-corrosive to metals at proper use dilution
- Versatile sanitizer—ideal for deodorizing, disinfecting and no-rinse sanitizing

## FEATURES

- Concentrated—1 ounce per 4 gallons water provides 200 ppm active quaternary
- Fast acting and stable
- Available in 4/1 gallon case and 55 gallon drums

ACCEPTED

JUL 31 1986

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Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 1677-43

# STER-BAC®

## STATEMENT OF INGREDIENTS

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(n-Alkyl [50% C<sub>12</sub>, 40% C<sub>14</sub>, 10% C<sub>16</sub>] dimethyl benzyl ammonium chloride) ..... 10.00%  
INERT INGREDIENTS: ..... 90.00%  
TOTAL ..... 100.00%

## PROPERTIES

Form .....	liquid	pH 1.00% solution .....	7.9
Color .....	clear	0.1% solution .....	7.6
Odor .....	sweet	Specific gravity at 75°F. - 0.9925	
Foam .....	high	E.P.A. Reg. No. 1677-43AA	
Wetability .....	good		

## DANGER

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**  
Precautionary Statements  
Hazard to Humans and Domestic Animals:  
**DANGER:** Causes severe eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Wash thoroughly with soap and water after handling. Avoid contamination of food.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## FIRST AID

**EXTERNAL:** Immediately flush skin with plenty of water. Remove and wash contaminated clothing.  
**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**INTERNAL:** If swallowed, immediately drink a large quantity of milk, egg whites or gelatin solution. If these are not available, drink large quantities of water.  
**GET MEDICAL ATTENTION IMMEDIATELY FOR EMERGENCY MEDICAL INFORMATION. CALL TOLL-FREE 1-800-328-0026.**

## AUTHORIZATION

STER-BAC is authorized by the U.S. Department of Agriculture for use in Federally inspected meat and poultry products plants. This authorization applies to use as a sanitizing solution for equipment and utensils without a final potable water rinse provided equipment is adequately

drained before food contact and for shell egg sanitizing followed by a potable water rinse if eggs are to be immediately broken for manufacturing. At a concentration of 1 oz. per 5 gals. water (150 ppm active quaternary) STER-BAC is authorized for use as a hand sanitizer.

## DIRECTIONS FOR USE

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**DEODORIZING**  
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**Sanitizing**—For sanitation of equipment in food processing plants, clean and rinse equipment thoroughly. Then rinse equipment with sanitizing solution of 1 oz. STER-BAC to 4 gallons of water. Allow equipment to air dry.  
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Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.  
**Container Disposal:**  
Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Never use more when less will do. That's the **KLENZADE®** solution.