

## SPECIMEN LABEL



**DISINFECTANT SANITIZER DEODORIZER**  
**\*VIRUCIDE MILDEWSTAT**  
**(on hard non-porous, inanimate surfaces)**  
**CITRUS CANKER CONTROL**  
**Not for use in California**

**ACTIVE INGREDIENTS:**

Alkyl (60% C<sub>14</sub>, 30% C<sub>16</sub>, 5% C<sub>12</sub>, 5% C<sub>18</sub>) dimethyl  
benzyl ammonium chlorides ...5.0%  
Alkyl (68% C<sub>12</sub>, 32% C<sub>14</sub>) dimethyl ethylbenzyl ammonium  
chlorides.....5.0%

**INERT INGREDIENTS:** .....90.0%  
**TOTAL:** .....100.0%

**KEEP OUT OF REACH OF CHILDREN**

### DANGER

See inside panel booklet for additional precautionary statements

CASN 0396/0400 EPA REG. NO. 1839-86-AA-5905

NET CONTENTS: EPA EST. NO. 052467-IL-001

**MANUFACTURED FOR:**  
**HELENA CHEMICAL COMPANY**  
**225 SCHILLING BOULEVARD, SUITE 300**  
**COLLIERVILLE, TN 38017**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

### DANGER

KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, rubber gloves, and protective clothing. Harmful if swallowed. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

**FIRST AID**

**IF IN EYES:**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:**

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**IF INHALED:**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact CHEMTREC at 1-800-424-9300 for emergency medical treatment information.

**NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Contains no phosphorus.

**STORAGE AND DISPOSAL**

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

**PESTICIDE STORAGE-** Store in a dry place no lower in temperature than 50°F or higher than 120°F.

**CONTAINER DISPOSAL** - Do not reuse empty container. Triple rinse empty container with water. Return metal drum or offer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned, stay out of smoke.

*For containers 1 gallon or less:* Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

**PESTICIDE 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.

**DIRECTIONS FOR USE**

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

**QUATRO®** is designed for use in dairies, restaurants, animal quarters and kennels where disinfection, sanitization and deodorization is of prime importance. When used as directed, this product is formulated to disinfect hard, non-porous, inanimate environmental surfaces.

This product deodorizes those areas, which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, pet areas and any other areas, which are prone to odors caused by microorganisms. This product can also be used for sanitization of shell eggs intended for food in shell egg and egg product processing plants when used as directed.

This product is recommended for use as a sanitizer for food processing equipment at 200-400 ppm active quaternary without potable water rinse.

This product is not for use on critical and semi-critical medical device surfaces.

**DISINFECTION**

To disinfect inanimate, hard non-porous surfaces apply use-solution with mop, cloth, sponge, low pressure coarse spray or hand-pump trigger sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

For low pressure coarse sprayer and hand pump trigger sprayer applications, spray 6-8 inches from the surface; rub with brush, sponge or cloth. Do not breathe spray.

**NOTE:** For spray applications, cover or remove all food products

**GENERAL DISINFECTION**

Add 3 ounces of this product per 5 gallons of water for disinfection against *Staphylococcus aureus*, *Salmonella choleraesuis*, *Listeria monocytogenes*, and *Yersinia enterocolitica*.

**DISINFECTION OF POULTRY EQUIPMENT, ANIMAL QUARTER AND KENNELS** - For disinfection of pre-cleaned poultry equipment (brooders, watering founts, feeding equipment), animal quarters and kennels, apply a use-solution of 3.5 ounces of this product per 5

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gallons of water. Remove all poultry, animals, and feed from premises, trucks, coops, and crates. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry or animals. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate the surfaces with the disinfecting solution for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate building, coops, and other closed spaces. Do not house poultry or animals or employ equipment until treatment has been absorbed, set or dried. All treated equipment that will contact feed or drinking water must be rinsed with potable water before reuse.

**DISINFECTING POTATO STORAGE AREA AND EQUIPMENT** - Remove all potatoes prior to disinfection of potato storage area or equipment. Pre-clean hard surfaces by removing heavy soil or gross filth. Follow general disinfection (3 oz. per 5 gal.) procedure described above. All treated surfaces must be thoroughly rinsed with potable water prior to reuse.

**CITRUS CANCKER CONTROL** - For prevention of Citrus Canker Disease through treatment of equipment. This product, when used at a 1:48 dilution (2000 ppm active quaternary) or 2.67 ounces (79 ml) per gallon of water up to 200 ppm hardness (as CaCO<sub>3</sub>), is effective against *Xanthomonas axonopodis* pathovar *citri* (Citrus Canker). Treat all trucks, vehicles, and equipment thoroughly at the 1:48 dilution. Treatment can be applied to trucks, attached trailers, field harvesting equipment; including cargo area, wheels, tires, under carriage, hood, roof, fenders and any other part of transportation equipment that can be taken into infested areas. To prevent the spread of Citrus Canker by this artificial means of transportation, treatments are made by trigger spraying, dipping or brushing, using the maximum rate of 2000 ppm quaternary. After use, all surfaces which come in contact with food or crop must be rinsed with potable water. **NOTE: Not for Use in California.**

**\*VIRUCIDAL ACTIVITY** - This product, when used on environmental, inanimate, hard non-porous surfaces at 3.5 ounces per 5 gallons of water exhibits effective virucidal activity against Influenza A<sub>2</sub>/Japan (representative of the common flu virus), Herpes Simplex Type 1 (causative agent of fever blisters), Adenovirus Type 5 (causative agent of upper respiratory infections), Vaccinia Virus (representative of the pox virus group), and Avian Influenza A/Turkey/Wisconsin (causative agent of an acute avian lower respiratory tract infection).

**SANITIZATION** - Recommended for use in dairies, and food processing plants. When used as directed this product is an effective sanitizer against *Escherichia coli* (ATCC 11229), *Escherichia coli* 0157:H7 (ATCC 43895), *Staphylococcus aureus* (ATCC 6538), *Yersinia enterocolitica* (ATCC 23715) and *Listeria monocytogenes* (ATCC 35152).

Remove all gross food particles and soil from areas, which are to be sanitized, with a good detergent, pre-flush, pre-soak or pre-scrape treatment. Rinse with a potable water rinse. Prepare a fresh solution daily or more frequently as soil is apparent. To sanitize pre-cleaned and potable water-rinsed, non-porous public eating establishment and dairy+ food contact surfaces: prepare a 200 ppm active quaternary solution by adding 1 ounce of this product to 4 gallons of water, 2.5 ounces to 10 gallons of water, or 5 ounces to 20 gallons of water.

To prepare a 200 ppm active quaternary solution, use the following dilution table:

Product Amount (Ounces)	Water Volume (Gallon)
0.25	1
1.0	4
2.5	10
5.0	20

To sanitize immobile food processing equipment and surfaces (tanks, finished wood or plastic chopping blocks, counter tops, conveyors) flood the area with a 200 to 400 ppm active quaternary solution for at least 60 seconds, making sure to wet all surfaces completely. Drain the use-solution from the surface, and air dry.

To sanitize mobile food processing utensils (knives, grinders, shredders, cleavers, ladles), immerse in a 200 to 400 ppm active quaternary solution for at least 60 seconds, making sure to immerse

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completely. Remove, drain the use-solution from the surface, and air dry.

When used for sanitization of previously cleaned (public eating establishment food contact surfaces, dairy processing equipment) food contact items, limit the active quaternary to 200 ppm. **NO POTABLE WATER RINSE IS REQUIRED.** This product is an effective sanitizer when diluted in water up to 650 ppm hardness (CaCO<sub>3</sub>).

To sanitize previously cleaned food-grade eggs in shell egg and egg product-processing plants, spray with a solution of 1 ounce of this product in 4 gallons of warm water (200 ppm quat). The solution

should be warmer than the eggs, but not to exceed 130°F. Wet eggs thoroughly and allow to drain. Eggs sanitized with this product shall be subjected to a potable water rinse only if they are broken immediately for use in the manufacture of egg products. Eggs should be reasonably dry before casing or breaking. The solution should not be reused for sanitizing eggs.

To prepare a 200, 300 or 400 ppm active quaternary solution, use the following dilution table:

Active Quart Solution	1 Gallon	4 Gallons	10 Gallons	20 Gallons
200 ppm	0.25 oz	1 oz	2.5 ozs	5 ozs
300 ppm	0.376 ozs	1.5 ozs	3.76 ozs	7.5 ozs
400 ppm	0.5 oz	2 ozs	5 ozs	10 ozs

**GENERAL DEODORIZATION** - To deodorize, add 3 ounces of this product to 5 gallons of water. Let air dry.

**MILDEWSTAT**- To control mold and mildew on pre-cleaned, hard, non-porous surfaces add 3 ounces of this product per 5 gallons of water. Apply solution with a cloth, mop, sponge, or hand pump trigger sprayer making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

### CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

**Read the Conditions of Sale - Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.**

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

- Refund of the purchase price paid by buyer or user for product bought, or
- Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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