



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 8, 2015

Liane Jenkins  
Senior Regulatory Compliance Specialist  
Regulatory Assurance  
Lonza  
90 Boroline Road  
Allendale, NJ 07401

Subject: Label Amendment – To update label language  
Product Name: Carbosan 50  
EPA Registration Number: 6836-327  
Application Date: June 3, 20125  
Decision Number: 505715

Dear Ms Jenkins:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and it's implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Emilia Oiguenblik by phone at 703 347 0199 or Eric Miederhoff by phone at number 703 347 8028, or via email at Oiguenblik.emilia@epa.gov or Miederhoff.Eric@epa.gov.

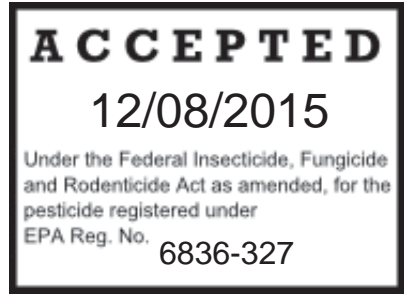
Sincerely,



Eric Miederhoff  
Product Manager 31  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs  
Date: December 8, 2015

Enclosure: Stamped label

# CARBOSAN 50



Sanitizer – Deodorizer

For Home, Commercial, Institutional and Industrial Use

For Food, Dairy, Beverage, Meat, Poultry, Egg and Seafood Processing and Farm Use

For Farm, School, Dairy, Restaurant, Food Handling and Processing Areas, Bar and Institutional Kitchen Use

For use in federally inspected meat and poultry plants

An effective sanitizer for use on food contact surfaces

Active Ingredients:

Didecyl dimethyl ammonium carbonate and	
Didecyl dimethyl ammonium bicarbonate.....	50.0%
Other Ingredients.....	50.0%
Total.....	100.0%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER      PELIGRO**

See [left] [side] [right] [back] panel for Precautionary Statements and First Aid

EPA Reg. No. 6836-327

EPA Est. No. (insert EPA Est. No. here)

Net Contents: (as indicated on container)

[Country of origin (insert country)]

[Manufactured in (insert country)]

[Barcode]

Manufactured by:

LONZA INC., 90 Boroline Road, Allendale, NJ 07401

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Harmful if swallowed, inhaled or absorbed through the skin. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and protective gloves (rubber, chemical resistant) when handling. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

**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.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

**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 by mouth-to-mouth, if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

*(If container size is 5 gallons or greater, use the following Environmental Hazards statements:)*

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and other aquatic organisms. 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.

***(Note to reviewer: The following is considered optional marketing language:)***

- Concentrate (Concentrated)
- Deodorizes (Deodorizer)
- **[Carbosan 50]** Contains no [phosphates] [phosphorous] [or] [phosphorous compounds].
- This product may be applied through low-pressure sprayers
- Use this product to clean and sanitize non-porous ambulance equipment and surfaces. Rinse with clean water all equipment that will come in prolonged contact with skin before reuse.
- This product may be used to deodorize coolers, buckets, garbage pails and other areas where strong odors may develop.
- [Quickly] Cleans every day kitchen messes.
- Cuts through tough grease [and grime].
- Use [on] [to clean nonporous athletic mats, wrestling mats, gymnastic mats, exercise equipment and training tables.
- [Lower][less] [corrosive][corrosion] on metal surfaces

### **Carbosan 50**

- delivers non-acid performance in an economical concentrate.
- is an economical concentrate
- can be diluted for use with a mop and bucket, trigger sprayers, sponge or by soaking.
- for use with trigger sprayers
- improves labor results by effectively controlling odors.
- deodorizes by killing microorganisms that cause offensive odors.
- cleans and deodorizes in one labor saving step.
- is formulated for use in daily maintenance programs.
- will not leave grit or soap scum.
- is a complete, chemically balanced sanitizer that provides clear use solutions even in the presence of hard water.
- meets AOAC Germicidal & Detergent standards for sanitizing previously cleaned food-contact surfaces.
- has been cleared by the EPA in 40 CFR §180.940(a) for use on food processing equipment, utensils and other food-contact articles [at a concentration of 150 – 400 ppm active].
- is a sanitizer for use in all federally inspected meat and poultry plants, institutional and industrial facilities
- can be used on food contact surfaces [in a concentration range of 150 – 400 ppm active].
- is an effective sanitizer.
- [Kills] [Eliminates] [Removes] [Destroys] (*Insert pathogen or pathogens from lists on page 7*) on [pre-cleaned] environmental surfaces

Cross-contamination is of major [food safety] concern. Carbosan 50 has been formulated to aid in the reduction of cross-contamination on treated surfaces in schools, institutions, and industry.

Regular, effective cleaning and sanitizing of equipment, utensils, and work or dining surfaces which could harbor food poisoning microorganisms minimizes the probability of contaminating food during preparation, storage or service. Effective cleaning will remove soil and prevent the accumulation of food residues, which may decompose or support the rapid development of food poisoning organisms or toxins. Application of effective sanitizing procedures reduces the number of those disease organisms which may be present on equipment and utensils after cleaning, and reduces the potential for the transfer, either directly through tableware such as glasses, cups and flatware or indirectly through food.

To prevent cross-contamination on treated surfaces, kitchenware and food-contact surfaces of equipment must be washed, rinsed with potable water and sanitized after each use and following any interruption of operation during which time contamination may have occurred.

*{Note to reviewer: The following is considered optional marketing language.}*

Where equipment and utensils are used for the preparation of foods on a continuous or production-line basis, utensils and the food-contact surfaces of equipment must be washed, rinsed with potable water and sanitized at intervals throughout the day on a schedule based on food temperature, type of food, and amount of food particle accumulation.

Articles that can be immersed in solution must remain in solution for 60 seconds.

Articles or surfaces too large for immersing should be thoroughly wetted or flooded by rinsing, spraying or swabbing.

Allow all sanitized surfaces to drain [and air dry].

**Carbosan 50** fulfills the criteria of Appendix F of the Grade "A" Pasteurized Milk Ordinances 1999 Recommendations of the U.S. Public Health Services in waters up to 500 ppm of hardness calculated as CaCO<sub>3</sub> when evaluated by the AOAC Germicidal and Detergent Sanitizer Method.

**Use Carbosan 50:**

- for sanitizing of ultrasound transducers, probes, mammography compressor plates and other hard nonporous surfaces. Will not cause swelling of transducer membrane or harm compressor plates.
- to sanitize salon / barber tools and instruments: combs, brushes, scissors, blades and manicure instruments.
- in kitchens and other household areas.
- as a sanitizer for all surfaces not always requiring a rinse in official establishments operating under the Federal meat, poultry, shell egg grading and egg products inspection programs.
- as a sanitizer on dishes, glassware, and utensils.
- as a sanitizer in bottling and beverage dispensing equipment.
- as a sanitizer in sanitary filling of bottles and cans.
- in sanitizing bottles or cans in the final rinse application, and for external spraying of filler and closing machines.
- as a sanitizer in beer fermentation and holding tanks.
- as a Food-Grade Shell-Egg sanitizer, with best results achieved in water temperatures ranging from 78°F. – 110°F. **Carbosan 50** may be applied through automatic washing systems, immersion tanks, foaming apparatus, and low pressure sprayers.
- in federally inspected meat and poultry facilities (as a sanitizer for all surfaces not always requiring a rinse).

*(Note to reviewer: The following is considered optional marketing language.)*

**[AREAS OF USE:]**

Use **Carbosan 50** in:

*{Note to reviewer: Each entry below also represents a graphic depicting the corresponding area of use. The graphics will only represent individual objects or outsides or insides of buildings as described below. No people, animal or food will be depicted in graphics.}*

Homes [households]	Fisheries
Kitchens	Fish processing plants
Day care centers	Food establishments
Nurseries	Food processing plants
	Food preparation areas
	Food storage areas
Airplanes	Hotels
Airports	Ice cream processing plants
Bagel Stores	Institutional facilities
Bars	Institutional kitchens
Bathrooms	Institutions
Beer fermentation and holding tanks	Liquor stores
Beverage Plants	Meat processing plants
Boats	Meat producing facilities
Bottling or pre-mix dispensing equipment	Milk processing plants
Bottle Washing	Milk storage and handling systems
Buses	Milk tanks [bulk]
Cafeterias	Milk pain inflations and tubing
Campers	Mobile homes
Camp grounds	Motels
Cheese factories	Pizza parlors
Citrus processing plants	Poultry processing plants
Coffee shops	Poultry producing facilities
Colleges	Prisons
Convenience stores	Processing plants [Milk, Citrus, Ice Cream]
Correctional facilities	Public facilities
Dairies	Restaurants
Dairy Farms	Schools
Dairy product dispensing equipment	Ships
Donut shops	Trains
Drinking fountains	Universities
Egg processing plants	USDA inspected food processing facilities
Factories	Wineries
Fast food operations	

Other suggested Uses: Homes, Veterinary Clinics, Fish Markets, Kennels, Trash Compactors, Offices, Beauty Salons, Locker Rooms, Health Spas, Conference rooms, Elevators, Smoking Areas, Lounges, Day Care Centers, Dry Cleaners, Theaters, Farms, Auditoriums and Churches.

*Note to reviewer: The following is considered optional marketing language.*

**[TYPES OF SURFACES:]**

Use **Carbosan 50** on washable hard, nonporous surfaces of:

*{Note to reviewer: Each entry below also represents a graphic depicting the corresponding type of surface. No people, animal or food will be depicted in graphics. Only exteriors of microwaves and refrigerators will be depicted. Toy graphics will be submitted to Agency for review.}*

Appliances, exteriors  
Beer fermentation and holding tanks  
Blenders  
Bottling or premix dispensing equipment  
Citrus processing equipment and holding tanks  
Coffee Pots  
Coffee Urns  
Cooking utensils  
Coolers  
Counters [countertops]  
Countertop laminates  
Chopping blocks, plastic and other nonporous  
Cutlery  
Cutting Boards, plastic and other nonporous  
Dishes  
Drinking fountains  
Eating Utensils  
Exhaust fans  
Food processors  
Frozen Beverage Machines  
Glassware [glasses]  
Highchairs  
Ice Chests  
Ice Machines  
Kitchen equipment  
Microwave ovens  
Plastic Food Storage Containers  
Refrigerators  
Refrigerator bins used for meat, fruit, vegetables and eggs

Refrigerated storage and display equipment  
Silverware  
Sinks  
Stoves [stovetops]  
Tables [picnic tables]  
Tableware  
Tea dispensers  
Utensils  
Water dispensers [hot]

Other hard nonporous surfaces made of:

Chrome  
Enamel  
Fiberglass sinks  
Glass  
Glazed ceramic  
Glazed enameled surfaces  
Glazed porcelain  
Laminated surfaces  
Metal  
Plastic [such as polystyrene or polypropylene]  
Sealed granite  
Sealed limestone  
Sealed marble  
Sealed Slate  
Sealed Stone  
Sealed Terra cotta  
Sealed Terrazzo  
Stainless steel  
Upholstery, vinyl and plastic  
Woodwork, finished



*(Note to reviewer: The following is considered optional marketing language:)*

**Carbosan 50** is an effective sanitizer for use on food contact surfaces in 60 seconds at 150 ppm active and 500 ppm hard water against:

- Campylobacter jejuni [ATCC 33560]
- Escherichia coli [ATCC 11229]
- Escherichia coli O157:H7 [ATCC 33150]
- Klebsiella pneumoniae [ATCC 4352]
- Listeria monocytogenes [ATCC 19115]
- Salmonella typhimurim [ATCC 23564]
- Staphylococcus aureus [ATCC 6538]
- Yersinia enterocolitica [ATCC 23715]

**Carbosan 50** is an effective sanitizer for use on food contact surfaces in 60 seconds at 150 ppm – 400 active and 500 ppm hard water against:

- Campylobacter jejuni [ATCC 33560]
- Escherichia coli [ATCC 11229]
- Escherichia coli O157:H7 [ATCC 33150]
- Klebsiella pneumoniae [ATCC 4352]
- Listeria monocytogenes [ATCC 19115]
- Salmonella typhimurim [ATCC 23564]
- Staphylococcus aureus [ATCC 6538]
- Yersinia enterocolitica [ATCC 23715]

**Dilution:**

Sanitizer [1:1250].....	1.0 oz. per 9.77 gallons of water
.....	[400 ppm active quat]
Sanitizer [1:2500].....	0.5 oz. per 9.77 gallons of water
.....	[200 ppm active quat]
Sanitizer [1:3328].....	0.5 oz. per 13 gallons of water
.....	[150 ppm active quat]

*{If the following Spanish statement is used, it must appear directly above DIRECTIONS FOR USE.}  
 Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. [If you do not understand the label, find someone to explain it to you in detail.]*

**DIRECTIONS FOR USE**

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

**For Sanitizing Food Contact Surfaces, Food Processing Equipment and Utensils in Dairies and Public Eating Establishments and Food Contact Surfaces, Food Processing Equipment and Utensils in Food Processing Plants (40 CFR 180.940 (a)):**

*(Note to reviewer. On a final printed label, only one of the following dilution rates will be used in the sanitization sections below.)*

1 oz. of <b>Carbosan 50</b> per 26 gallons of water (3/4 of <b>Carbosan 50</b> per 19 1/2 gallons of water) (150 ppm active quat)
or
1 oz. of <b>Carbosan 50</b> per 19-1/2 gallons of water [2 oz. of <b>Carbosan 50</b> per 39 gallons of water] [200 ppm active quat]
or
1.0 oz. of <b>Carbosan 50</b> per 9.77 gallons of water [2 oz of <b>Carbosan 50</b> per 19.54 gallons of water][400 ppm active quat]
or
1.0 oz. of <b>Carbosan 50</b> per 19-1/2 - 26 gallons of water [3/4 oz – 1 oz. of <b>Carbosan 50</b> per 19 ½ gallons of water][150 – 200 ppm active quat]
or
1.0 oz. of <b>Carbosan 50</b> per 9.77 – 19 ½ gallons of water [1-2 oz of <b>Carbosan 50</b> per 19 ½ gallons of water][200-400 ppm active quat]
or
1.0 oz. of <b>Carbosan 50</b> per 9.77 - 26 gallons of water [2.67 – 1.0 oz of <b>Carbosan 50</b> per 26 gallons of water][150- 400 ppm active quat]

**TO SANITIZE FOOD CONTACT SURFACES:**

or

**TO SANITIZE [FOOD PROCESSING EQUIPMENT] [AND OTHER HARD SURFACES IN FOOD PROCESSING LOCATIONS], [DAIRIES], [RESTAURANTS] [AND] [BARS]:**

For sanitizing hard non-porous surfaces food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard nonporous surfaces.

Prior to application, remove gross food particles and soil by a pre-flush, or pre-scrape and, when necessary, pre-soak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner, followed by a potable water rinse before application of the sanitizing solution.

Apply a use solution of [*insert appropriate dilution from box here*] [or equivalent dilution] to the pre-cleaned hard surface, with a cloth, mop, sponge, coarse sprayer or by immersion, thoroughly wetting surfaces. Surfaces must remain wet for at least [one minute] [60 seconds] followed by adequate draining [and air drying]. Do not rinse.

Prepare fresh solution daily or more often if the use solution becomes diluted or soiled. For mechanical applications, use-solution may not be reused for sanitizing applications but may be reused for other purposes such as cleaning.

Apply to sink tops, counter tops, refrigerated storage and display equipment and other stationary surfaces by cloth, sponge [or ] brush [or coarse spray].

Immerse pre-cleaned glassware, dishes, silverware, cooking utensils and other similar size food processing equipment in a solution of [*insert appropriate dilution from box here*] [or equivalent dilution] for at least [one minute] [60 seconds]. Drain thoroughly [and allow to air dry] before reuse. Do not rinse.

**TO SANITIZE FOOD PROCESSING EQUIPMENT, UTENSILS, AND OTHER FOOD CONTACT ARTICLES REGULATED BY 40 CFR § 180.940 (a): [IN A THREE COMPARTMENT SINK]:**

1. Scrape, flush, or presoak articles (whether mobile or stationary) to remove gross food particles and soil.
2. Thoroughly wash articles with an appropriate detergent or cleaner.
3. Rinse articles thoroughly with clean water.
4. Sanitize by immersing articles in a use-solution of [*insert appropriate dilution from box here*] (or equivalent dilution) for at least [60 seconds] [one minute]. Articles too large for immersing must be thoroughly wetted by rinsing, spraying, or swabbing.
5. Remove immersed items from solution to drain.
6. Allow all items to air dry. Do not rinse.

**Carbosan 50** can be used in accordance with the U.S. Public Health Service food service sanitization recommendations.

**U.S. PUBLIC HEALTH SERVICE FOOD SERVICE SANITIZATION RECOMMENDATIONS CLEANING AND SANITIZING:**

1. Equipment and utensils must be thoroughly pre-flushed or pre-scraped and when necessary, pre-soaked to remove gross food particles and soil.
2. Thoroughly wash equipment and utensils in hot detergent solution.
3. Rinse utensils and equipment thoroughly with clean water.
4. Sanitize equipment and utensils by immersion in a use solution of [*insert appropriate dilution from box here*] [or equivalent dilution] for at least [60 seconds] [one minute] at a temperature of 75°F.
5. For equipment and utensils too large to sanitize by immersion, apply a use-solution of [insert appropriate dilution here] (or equivalent dilution) by rinsing, spraying or swabbing until thoroughly wet.
6. Allow sanitized surface to drain [and air dry]. Do not rinse.

**WISCONSIN STATE BOARD OF HEALTH DIRECTIONS FOR EATING ESTABLISHMENTS**

1. Scrape and pre-wash utensils and glasses whenever possible.
2. Wash with a good detergent or compatible cleaner.
3. Rinse with clean water.
4. Sanitize in a solution of [*insert appropriate dilution from box here*]. Immerse all utensils for at least two minutes or for contact time specified by governing sanitary code.
5. Place sanitized utensils on a rack or drain board to air-dry.
6. Prepare a fresh sanitizing solution at least daily or when visibly soiled or diluted.

NOTE: A clean potable water rinse following sanitization is not permitted under Section HFS 196.13 of the Wisconsin Administrative Code.

**TO SANITIZE [SOFT SERVE] [FOOD] [AND] [BEVERAGE] DISPENSING EQUIPMENT:**

1. Wash equipment with a compatible detergent and rinse with potable water prior to sanitizing.
2. Fill equipment with a solution of [*insert appropriate dilution from box here*] [or equivalent dilution].
3. Allow solution to remain in equipment for at least [60 seconds] [one minute].
4. Drain thoroughly [and allow to air dry] before reuse. Do not rinse.

**TO SANITIZE ICE MACHINES:**

1. Turn off refrigeration
2. Wash equipment with a compatible detergent and rinse with potable water prior to sanitizing.
3. Apply a solution of (*insert appropriate dilution here*) [or equivalent dilution] by mechanical spray, directly pouring, or by recirculating through the system.
4. Allow surfaces to remain wet or solution to remain in equipment for at least 60 seconds.
5. Drain thoroughly before reuse and allow to air dry.

**TO SANITIZE SANITARY FILLING EQUIPMENT:**

Wash equipment with a compatible detergent and rinse with potable water prior to sanitizing. Prepare a use-solution of [*insert appropriate dilution from box here*] [or equivalent dilution] for final washer and rinser applications. Allow surfaces to remain wet for at least [60 seconds] [one minute]. Drain thoroughly [and allow to air dry] before reuse. Do not rinse.

**TO SANITIZE BEER FERMENTATION AND STORAGE TANKS:**

Wash equipment with a compatible detergent and rinse with potable water prior to sanitizing. Prepare a use-solution of [*insert appropriate dilution from box here*] [or equivalent dilution] for mechanical or automated systems. Allow surfaces to remain wet for at least [60 seconds] [one minute]. Drain thoroughly [and allow to air dry] before reuse. Do not rinse.

**WATERPROOF GLOVE SANITIZING DIRECTIONS**

To prevent cross contamination into processing areas of food plants, waterproof gloves must be sanitized prior to entering or re-entering those areas. Remove gross contamination from gloves before sanitizing. Then place gloved hand in a use-solution of [*insert appropriate dilution from box here*] for at least [sixty seconds] [one minute]. Change the solution in the bath at least daily or more often if the solution appears visibly diluted or soiled.

**SANITIZING – NON-POROUS GLOVED HANDS:**

To prevent the spreading of organisms into animal areas and the packaging and storage areas of food plants, dip, soak or spray pre-washed (plastic, latex or other synthetic rubber) gloved hands so that there is enough sanitizing solution to cover the gloved area. Do not let sanitizing solution come in contact with exposed skin. Make up the sanitizing solution by adding [*insert appropriate dilution from box here*]. Dip, soak or spray in solution and allow gloved hands to remain wet for at least 60 seconds. No potable water rinse is allowed. Change the sanitizing solution in the bath at least daily or when solution appears dirty.

**TO SANITIZE EGG SHELLS INTENDED FOR FOOD:**

To sanitize previously cleaned food-grade eggs in shell egg and egg product processing plants, spray with a use-solution of [*insert appropriate dilution here*] [or equivalent dilution]. The solution must be equal to or 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 to be broken immediately for use in the manufacture of egg products. Eggs must be reasonably dry before casing or breaking. The solution must not be re-used for sanitizing eggs.

Note: Only clean, whole eggs can be sanitized. Dirty, cracked or punctured eggs cannot be sanitized.

**FOR CONTINUOUS TREATMENT OF CONVEYORS:**

Remove gross food particles and excess soil by a pre-flush or pre-scrape. Wash with a good detergent or compatible cleaner. Rinse equipment thoroughly with potable water, then rinse equipment with a sanitizing solution. During processing, apply **Carbosan 50** at [*insert appropriate dilution from box here*] [or equivalent dilution to conveyors with MIKRO MASTER or other suitable feeding equipment. Controlled volumes of sanitizer are applied to return portion of conveyor through nozzles so located as to permit maximum drainage of sanitizer from equipment and to prevent puddles on top of belt. During interruptions in operation, coarse spray equipment, peelers, collators, slicers and saws with MIKRO MASTER dispensed **Carbosan 50** solution of (*insert appropriate dilution from box above here*). Conveyors and other equipment must be free of product when applying this coarse spray. Use (*insert appropriate dilution from box above here. Must be 200 ppm AI Minimum*) in Wisconsin dairy processing facilities.

*{For food processing or other facilities that have installed entryway sanitizing systems:}*

**ENTRYWAY SANITIZING SYSTEMS: {Not for Use in California}**

To prevent cross contamination from area to area, set the system to deliver [0.68 – 1.36 oz. per gallon of water] [or equivalent dilution] [400 – 800 ppm active] of sanitizing solution. The [spray] [foam] must cover the entire path of the doorway. Set the system so that a continuous wet blanket of sanitizer solution is delivered to the floor.

Do not mix other foam additives to the sanitizing solution.

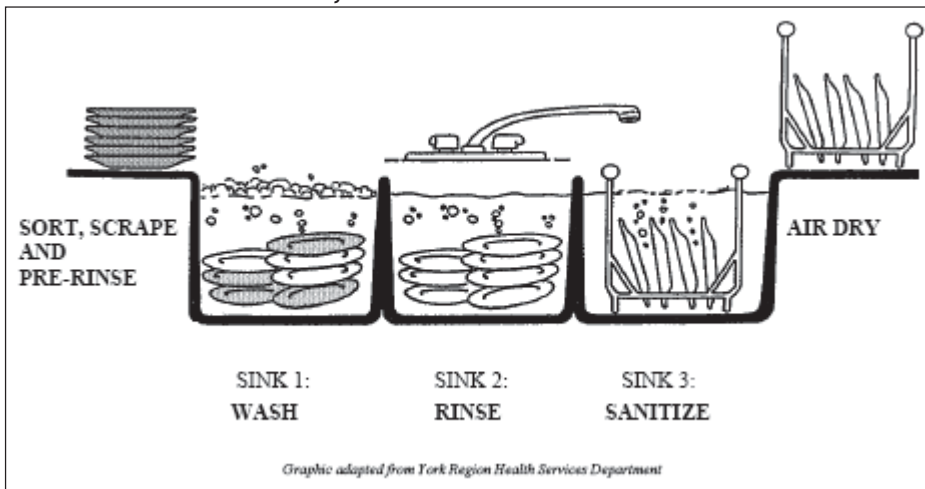
**SHOE BATH SANITIZER DIRECTIONS:**

To prevent cross contamination into animal areas [and the packaging and storage areas of food plants], shoe baths containing one inch of freshly made sanitizing solution must be placed at all entrances to buildings [and hatcheries). Scrape waterproof work [boots] [shoes] and place in a use-solution of 0.68 oz. of **Carbosan 50** per gallon of water [or equivalent dilution] [400 ppm] for 60 seconds prior to entering area. **{This Optional Statement is Not for Use in California:}** If there is a heavy soil load or excessive traffic place work [boots] [shoes] in a use-solution of 1.02 – 1.36 oz. per gallon of water [or equivalent dilution] [600 – 800 ppm active quat].] Change the solution in the bath at least daily or more often if the solution appears diluted or soiled.

**SHOE FOAM SANITIZER DIRECTIONS: {Not for Use in California}**

To prevent cross contamination into animal areas, and the packaging and storage areas of food plants. Apply a foam layer approximately 1/2 to 2 inches thick made from a solution of 1.36 to 2.04 oz. of **Carbosan 50** per gallon of water [or equivalent dilution] [800 to 1200 ppm active], at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply the foam layer. Follow the foaming directions as specified by the manufacturer of the foam generator or aerator. Scrape waterproof [work boots] [shoes]. Stand or walk through foamed area for 60 seconds prior to entering area. Foam area must be washed and foam replaced at least daily or more often if the foam appears visibly diluted or soiled.

*{Note to reviewer: The following graphic or a graphic of similar content may accompany any of the above food contact sanitization sections}*



**TO DEODORIZE:** [Mix] [Use] [1/2 - 1 oz.] of **Carbosan 50D** per 5 gallons of water to deodorize surfaces. Apply using a cloth, mop, sponge or sprayer. Wipe or allow to air dry.

**Carbosan 50** is effective at eliminating odors on porous surfaces such as upholstery, drapes, carpets, bedding, shower curtains, mattresses and non-porous surfaces such as walls and floors. Excellent for fire restoration.

**DEODORIZING DIRECTIONS:**

**Nursing Homes, Hospitals, Hotels, Schools, Restaurants:** Using [1/2 - 1 oz.] in chemical toilets, waste receptacles, bed pans, drainage bottles, diaper pails, hampers, disposals, commodes and air conditioner pans will eliminate odors.

**Mopping Solutions, Automatic Scrubbers:** Use [1/2 - 1 oz.] per 5 gallons of cleaning solution eliminates undesirable odors.

**Laundry:** 1/2 per load added during the final rinse cycle deodorizes all offensive odors.

**Air Freshener/Automotive Uses:** 1 oz. per 5 gallons of water or desired concentration will effectively neutralize damp musty odors caused by mildew in storage areas, basements, closets and bathrooms. Effective on smoking and cooking odors (garlic, fish, onions, etc.). Automobile odors from tobacco, musty carpet smell and beverage smells will be eliminated.

**Carpets:** ½ oz. per 5 gallons of shampoo solution eliminates odors associated with urine, vomit, smoke, and mildew. Reapply after cleaning for freshening effects. Allow to dry.

**RV Holding Tanks:** Toilet waste: cover bottom of holding tank with water and add [1/2 - 1 oz.] If odors return before time to empty, simply add [1/2 - 1 oz.] to the tank. Kitchen waste: 1/2 oz. **Carbosan 50D** to gray water tank as needed to control malodors created by dirty dish water.

**Pet Odors:** Use 1/2 - 1 oz. per 5 gallons of water or desired concentration, for urine, feces, and vomit, in carpet and upholstery. Clean prior to application then spray onto affected areas. Test hidden area for colorfastness. Allow 10 minutes contact time. Then blot with clean cloth. Allow to dry. Also effective on pet bedding and litter boxes.

**Sewage Backup, Water Damage:** Use 1/2 – 1 oz. per 5 gallons of water or desired concentration. Spray over affected areas before and after cleaning and extraction. Allow ten minutes contact time. Use proper ventilation; open windows.

**CLEANING SOLUTION:** Dilute [1/2 - 1 oz.] per 5 gallons of water for cleaning of kitchen counters, tables, walls, bathrooms, toilet seats, mopping floors and large routine applications.

*{Note to reviewer: For Nonrefillable Containers, Label has Household and Residential Uses}*

## **STORAGE AND DISPOSAL**

Store in original container in areas inaccessible to children. Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for recycling if available.

*{or}*

Store in original container in areas inaccessible to children. Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for reconditioning if appropriate.

*{Note to reviewer: For Nonrefillable Containers for commercial, industrial, and institutional uses – all sizes – No Reuse Rinsate Statement for Public Health Use products. Chapter 13, Table 6 of the Label Review Manual states that for “All products in containers that could be burned,” the registrant has the option to “Remain silent on burning;” therefore, no incineration language is provided for plastic containers.}*

## **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Open dumping is prohibited. Store in original container in areas inaccessible to children.

### **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.

### **Container Disposal:**

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.

**[Plastic and Metal Containers:]** Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

**[Metal containers only:]** DO NOT cut or weld metal containers.

**[Bag in Box Containers:]** Completely empty bag into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

*{Note to reviewer: Several packaging options are designed for use dilution systems with sealed containers or bottles to reduce worker exposure to the concentrate. None of these can be triple rinsed because they are closed sealed containers. The following text will be used on these sealed container types:}*

## **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Open dumping is prohibited. Store in original container in areas inaccessible to children.

**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.

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Wrap empty container and discard in trash [or offer for recycling].

{Note to reviewer: The following is considered optional graphics and marketing language.}

(For Bag-in-Box Containers:)

**For Bag – In – Box Containers:**

How to use this package:

This package is designed to be used with dilution control systems only. Open package and connect to dispense according to directions on box top.

Trigger Sprayers:

Fill bottle from dispenser.

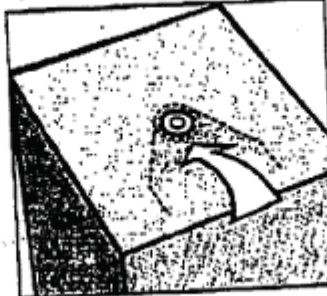
Apply to surfaces as specified in directions above.

Mop Buckets:

Fill bucket from dispenser.

Set up "Wet Floor" signs.

Mop floor surface as specified in directions above

<p><b>OPENING INSTRUCTIONS</b></p> <ol style="list-style-type: none"><li>1. Position box with perforation up.</li><li>2. Press in circle.</li><li>3. Lift flap/tear along perforation.</li><li>4. Retrieve fitting on bag.</li><li>5. Remove clear dust-cap from bag fitting.</li><li>6. Twist dispenser connector onto bag fitting.</li><li>7. Place bag-in-box into position on dispenser shelf.</li><li>8. Close dispenser (if applicable).</li></ol>		<p><b>INSTRUCCIONES PARA ABRIR</b></p> <ol style="list-style-type: none"><li>1. Ponga la caja con la perforación hacia arriba.</li><li>2. Empuje el círculo hacia adentro.</li><li>3. Levante la pestana arrancándola de la caja a lo largo de la perforación.</li><li>4. Saque el adaptador que está en la bolsa.</li><li>5. Quite la tapa transparente contra el polvo que tiene el adaptador de la bolsa.</li><li>6. Enrosque el conector dispensador al adaptador.</li><li>7. Ponga la "bag-in-box" (bolsa en caja) en posición en el mostrador de despacho.</li><li>8. Cierre el dispensador (si corresponde).</li></ol>
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