

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

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

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.

**ENVIRONMENTAL HAZARDS**

*(for 5 gallons and larger only)*

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.

**FORMULATION HS-256Q**

**DISINFECTS DEODORIZES SANITIZES**

**BACTERICIDAL \*VIRUCIDAL FUNGICIDAL**

**Active Ingredients:**

n-Alkyl (C <sub>14</sub> , 60%; C <sub>16</sub> , 30%; C <sub>18</sub> , 5%; C <sub>12</sub> , 5%)	
dimethyl benzyl ammonium chloride .....	6.75%
n-Alkyl (C <sub>12</sub> , 68%; C <sub>14</sub> , 32%)	
dimethyl ethylbenzyl ammonium chloride .....	6.75%
Other Ingredients:.....	86.50%
Total:.....	100.00%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

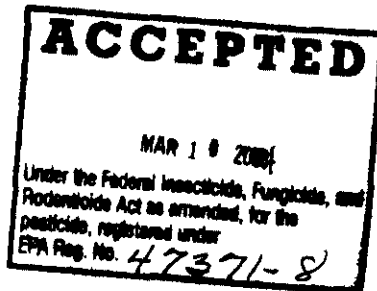
See (side) (back) (right) (left) panel for Precautionary Statements and First Aid.

EPA Reg. No. 47371-8

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

Net Contents *(insert container size here)*

H&S CHEMICALS DIVISION  
c/o LONZA INC.  
17-17 ROUTE 208  
FAIR LAWN, NJ 07410



An effective, multi-purpose disinfectant cleaner, Staphylocidal, Pseudomonacidal, Bactericidal, Fungicidal and \*Virucidal against Herpes virus Type 1, Adenovirus Type 3, Influenza A/73 (Victoria) and Vaccinia on pre-cleaned, hard, nonporous, environmental surfaces.

<b>Bactericidal against:</b>	<b>Mold &amp; Mildewcidal against:</b>
Pseudomonas aeruginosa	Alternaria tenuis
Staphylococcus aureus	Fusarium oxysporum
Salmonella choleraesuis	Geotrichum candidum
Aeromonas salmonicida	Penicillium digitatum
Enterobacter aerogenes	Phytophthora infestans
Enterobacter cloacae	Rhizopus nigricans
Escherichia coli	Trichoderma harzianum
Klebsiella pneumoniae	Trichophyton
mentagrophytes	
Listeria monocytogenes	
Proteus mirabilis	
Pseudomonas putida	
Shigella sonnei	
Shigella flexneri	
Staphylococcus aureus phage 80 & 81	
Staphylococcus epidermidis	
Streptococcus pyogenes	
Vibrio anguillarum	

For use in hospitals, nursing homes, schools, colleges, office buildings, restaurants, bars, commercial and industrial institutions, veterinary clinics, hotels and motels, animal life science laboratories, medical and dental offices.

For use on previously cleaned, hard, nonporous surfaces such as floors, walls, metal surfaces, porcelain, and plastic surfaces (such as polypropylene, polystyrene, etc.).

- DISINFECTANT: 1:256** 1/2 oz. per gallon of water (527 ppm Quat)
- SANITIZER: 1:768** 1/2 oz. per 3 gallons of water (175 ppm Quat)

**DIRECTIONS FOR USE**

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

**FOR DISINFECTING**

Remove gross filth and heavy soil deposits, then thoroughly wet surfaces with a solution of 1/2 ounce per gallon of water. Apply with a mop, sponge, cloth, coarse spray or by soaking. Let solution remain on surface for a minimum contact time of 10 minutes. The use solution is prepared fresh for each use, then discarded. Wipe dry with a clean cloth or sponge or allow to air dry. Rinsing is not necessary unless floors are to be waxed or polished.

*(Note to reviewer: Only One of the following two statements will be used:)*

This product is not to be used as a terminal sterilant / high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

or  
This product is not for use on medical device surfaces.

Rinse all surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware, dishes or appliance interior surfaces as a disinfectant.

**TO CONTROL MOLD AND MILDEW**

To control mold and mildew on hard, nonporous surfaces, wash visible soil from the surface. Then apply 1/2 ounce per gallon solution with mop, sponge, cloth or coarse sprayer so as to wet all surfaces thoroughly. Let air dry. Repeat application every 7 days or more often if growth recurs.

**VETERINARY PRACTICE / ANIMAL CARE /  
ANIMAL LABORATORY / ZOOS / PET SHOP /  
KENNELS DISINFECTION DIRECTIONS:**

For cleaning and disinfecting hard nonporous surfaces: equipment used for feeding or watering animals, utensils, instruments, cages, kennels, stables, catteries. Remove all animals and feeds from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 1/2 oz. of **FORMULATION HS-256Q** per gallon of water (or equivalent dilution) for a period of 10 minutes. Wipe or allow to air dry. 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. Thoroughly scrub all surfaces that come in contact with food, including equipment used for feeding or watering, with soap or detergent and rinse with potable water before reuse. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

**FISHERIES, MILK, CITRUS, ICE CREAM AND  
POTATO PROCESSING PLANTS**

Applied routinely as a disinfectant on walls and floors; will reduce or eliminate odors in the processing area. Use on filling equipment to reduce or eliminate bacteria associated with condensation on equipment and pipes. Follow disinfection directions.

For use as a sanitizer on conveyors and equipment to reduce or eliminate odors in the processing area. Follow directions for sanitizing food contact surfaces. Food products and packaging materials must be removed from the room or carefully protected.

**TO SANITIZE FOOD CONTACT SURFACES:**

or

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

Use **Formulation HS-256Q** to sanitize hard nonporous surfaces of food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, countertops, refrigerated storage areas and display equipment and other hard surfaces.

Prior to application, remove gross food particles and soil by a pre-flush, pre-scrape or, 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.

Before use as a sanitizer in federally inspected meat and poultry plants and dairies, food products and packaging materials must be removed from the room or carefully protected.

Apply a use-solution of 1/2 oz. of **Formulation HS-256Q** per 3 gallons of water (or equivalent dilution) to precleaned hard surfaces thoroughly wetting surfaces with a cloth, mop, sponge, coarse sprayer or by immersion. Surfaces must remain wet for at least (60 seconds) (one minute) followed by adequate draining and air drying. Do not rinse.

Prepare a fresh solution for each use. For mechanical application, use-solution may not be reused for sanitizing applications but may be reused for other purposes such as cleaning.

Apply to sink tops, countertops, refrigerated storage and display equipment and other stationary hard nonporous surfaces by cloth, sponge or brush or coarse spray.

Sanitize dishes, silverware, glasses, cooking utensils and other similar size food processing equipment by immersion.

**BEVERAGE PLANTS**

For sanitizing of bottling or pre-mix dispensing equipment, after cleaning thoroughly rinse equipment with cold or lukewarm water. Fill equipment with solution of 1/2 ounce per 3 gallons of water (175 ppm quat). Allow the solution to remain in contact with equipment for at least 1 minute or until operations resume, at which time drain the sanitizing solution from the system.

To insure the removal of flavors during changeover between products, clean with a good detergent or compatible cleaner. (A commercial cleaner or detergent may be recommended.), rinse with potable water and flush the system with the sanitizing solution for at least 1 minute. Allow to drain completely before using.

**SANITARY FILLING**

Recommended for use in sanitizing bottles or cans in the final rinse application. The product is to be proportioned into the final rinse water line of the container washer or rinser in concentration of 1/2 ounce per 3 gallons of water (175 ppm quat). Use a sanitizing solution of 1/2 ounce per 3 gallons of water (175 ppm quat) in an external application for the filler and closing machine.

**STORAGE TANK SANITIZING**

Wash equipment with a compatible detergent and rinse with potable water prior to sanitizing. Prepare a use-solution of 1/2 oz. of **Formulation HS-256Q** per 3 gallons of water (or equivalent dilution) for mechanical or automated systems. Allow surfaces to remain wet for at least 60 seconds. Drain thoroughly and allow to air dry before reuse. Do not rinse.

**FOR WISCONSIN USE ONLY****SANITIZING EATING AND DRINKING UTENSILS IN EATING ESTABLISHMENTS:**

- 1) Scrape and pre-wash utensils and glasses whenever possible.
- 2) Wash with a good detergent or compatible cleaner. (A commercial cleaner or detergent may be recommended.)
- 3) Rinse with potable water.
- 4) Sanitize in a solution of 1/2 ounce per 3 gallons of water (175 ppm quat). Immerse all utensils for at least two minutes or for a contact time specified by governing sanitary codes.
- 5) Place sanitized utensils on a rack or drain-board to air dry.
- 6) Prepare 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 HSS 196.13 of the Wisconsin Administrative Code.

FORMULATION HS-256Q  
EPA REG. NO. 47371-8  
EPA DRAFT LABEL DATED 12-4-03

(If container size is 1 gallon or less, the following storage and disposal statements will be used:)

**STORAGE AND DISPOSAL**

Store in original container in areas inaccessible to children. Do not reuse empty container. Wrap and discard in trash or recycle.

(If container size is greater than gallon, the following storage and disposal statements will be used:)

**STORAGE AND DISPOSAL**

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

**Pesticide Storage**

Open dumping is prohibited. Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container.

**Pesticide Disposal**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or mixture of 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**

(Plastic containers): Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities by burning. If burned, stay out of way of smoke.

(Metal Containers): 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.