



**GENERAL DESCRIPTION**

Process QDS Process & Research Cleaner is a disinfectant/sanitizer for use in pharmaceutical, medical device, food and other high risk manufacturing facilities and in lab animal care areas, including animal quarters and kennels. Process QDS cleaner is a blended quaternary ammonium compound with organic soil tolerance. Process QDS cleaner is excellent for use in food processing areas as a sanitizing rinse since, at the recommended dilution of one fluid ounce in four gallons of water, no potable water rinse is required. Process QDS cleaner was previously classified by USDA for use in federally inspected meat and poultry plants under categories D2 and Q3.

**FEATURES**

Formulated with a blend of quaternary ammonium chloride compounds

May be used as a disinfectant or as a sanitizer

**BENEFITS**

Provides effective, broad-spectrum microbial reduction

Versatile and cost effective microbial control

**PHYSICAL PROPERTIES**

Appearance.....	Clear, water white liquid
Odor.....	Slight chemical – characteristic
pH (undiluted).....	6.1 – 8.8
pH (1% solution in deionized water).....	6.5 – 8.8
Specific gravity (25°C [77°F]).....	0.984 – 0.996
Pounds per gallon.....	8.26
% Active quaternary .....	7.5
Detergency .....	None
Phosphates.....	None

**DIRECTIONS FOR USE**

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

Sanitizing Rinse Dilution - one fluid ounce per four gallons of water (0.2%). Concentration of active = 150 ppm.

**Sanitizing Of Food Processing Equipment And Other Hard Surfaces In Food Contact Locations**

For sanitizing food processing equipment, food utensils, dishes, silverware, glasses, sink tops, countertops, refrigerated storage and display equipment, and other hard, non-porous surfaces. No potable water rinse is required at the dilution of one fluid ounce per four gallons of water (0.2%).

Wash and rinse all articles thoroughly, then apply a solution of one ounce Process QDS cleaner in four gallons of water (150 ppm active). Surfaces should remain wet for at least one minute followed by adequate draining and air drying. **Do not rinse.** Fresh solution should be prepared daily or when used solution becomes visibly dirty. For mechanical application, use-solution may not be reused for sanitizing applications.

Apply to sink tops, countertops, refrigerated storage and display equipment, and other stationary hard surfaces by cloth or brush or mechanical spray device. No potable water rinse is required.

Dishes, silverware, glasses, cooking utensils and other similar size food processing equipment can be sanitized by immersion in an one ounce per four gallon solution of Process QDS cleaner. After one minute, remove utensils and let drain and air dry. No potable water rinse is required.

## **Dairies**

At one ounce per four gallons (0.2%), Process QDS cleaner fulfills the criteria of Appendix F of the Grade **A** Pasteurized Milk Ordinances 1978 and recommendations of the U.S. Public Health Services in waters up to 800 ppm of hardness calculated as CaCO<sub>3</sub> when evaluated by the *AOAC Germicidal and Detergent Sanitizer Method* against *Escherichia coli* and *Staphylococcus aureus*.

The udders, flanks and teats of dairy cows can be sanitized by washing with a solution of one ounce Process QDS cleaner in four gallons of warm water. No potable water rinse is required. Use a fresh towel for each cow. Avoid contamination of sanitizing solution by dirt and soil. Do not dip used towel back into sanitizing solution. When solution becomes visibly dirty, discard and provide fresh solution.

## **Sanitizing Shell Eggs Intended For Food**

To sanitize previously cleaned food grade egg and egg product processing plants, spray with a solution of one ounce Process QDS cleaner in four gallons of warm water (150 ppm quat). The solution should be warmer than the eggs, but not to exceed 54°C (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 should not be reused for sanitizing eggs.

## **General Applications**

Apply Process QDS cleaner with a cloth, mop or mechanical spray device. When applied with a mechanical spray device, surface must be sprayed until thoroughly wetted. Treated surfaces must remain wet for 10 minutes. Fresh solution should be prepared daily or when the use-solution becomes visibly dirty.

## **Other Applications:**

### **Disinfection In Hospital, Nursing Homes and Other Healthcare Institutions**

For disinfecting floors, walls, countertops, lavatories, garbage pails and other hard, non-porous surfaces, add 3.5 ounces of Process QDS cleaner to 4.5 gallons of water. Apply to previously cleaned hard surfaces. At this use level, Process QDS cleaner is effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella choleraesius* in the presence of 5% blood serum when evaluated by the *AOAC Use-Dilution Test*.

### **Disinfection In Institutions, Industry and Schools**

Add two ounces of Process QDS cleaner to 4.5 gallons of water. The fungicidal effectiveness of Process QDS cleaner at 0.5 ounce to 2.25 gallons of water use level, in the presence of 5% blood serum against *Trichophyton mentagrophytes* has been shown utilizing the *AOAC Fungicidal Test*.

### **Disinfection Of Poultry Equipment, Animal Quarters and Kennels**

Poultry brooders, watering founts, feeding equipment and other animal quarters (such as stalls and kennel areas) can be disinfected after thorough cleaning by applying a solution of two ounces Process QDS cleaner to 4.5 gallons of water (0.4%). Small utensils should be immersed in this solution.

Prior to disinfection, all poultry, other animals and their feeds must be removed from the premises. This includes emptying all troughs, racks and other feeding and watering appliances. Remove all litter and droppings from floors, walls and other surfaces occupied or traversed by poultry or other animals.

After disinfection, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals, or employ equipment until treatment has been absorbed, set or dried.

All treated equipment contacting feed or drinking water must be rinsed with potable water before reuse.

## **STORAGE AND DISPOSAL**

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### **For One Gallon Or Less**

Store in original container in areas inaccessible to children. Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container. Discard in trash or recycle.

### **For Greater Than One Gallon**

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

### **Pesticide Storage**

Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container. Discard in trash or recycle.

**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 the 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 incineration, or (if allowed by state and local authorities) by burning. If burned, stay out of smoke.

**SERVICE**

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**Sales**

Service is one of the most important ways to verify consistent quality of the facility's performance and operation. A tailored service program by STERIS provides effective, trouble-free operations.

**Technical**

STERIS is pleased to provide a completely staffed and equipped technical service laboratory capable of performing needed tests and providing both telephone and on-site assistance when needed. More details on how this service can benefit a facility's particular situation can be provided upon request.

**PRECAUTIONS**

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Information concerning human and environmental exposure may be reviewed on the Material Safety Data Sheet (MSDS) for the product. For additional information regarding incidents involving human and environmental exposure, call 314-535-1395.

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**For further information, please contact:**

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