

8/14/67

YALE QUATERNARY BACTERICIDE

Disinfectant - Deodorant and Sanitizer

ACTIVE INGREDIENTS:

Methyldodecylbenzyl trimethyl ammonium chloride and 16.0 %  
methyldodecylxylylene bis (trimethyl ammonium chloride) 4.0 %  
20%

INERT INGREDIENT:

Water 80%

CAUTION: (18 point type all caps)

KEEP OUT OF REACH OF CHILDREN. (14 point type all caps)

See other caution statements on direction panel. (10  
point type)

U.S.D.A. Registration No. 5243-X

Phenol coefficient -(10 min. standard A.O.A.C. method  
20°C.)

Salmonella typhosa 50

Staphylococcus aureus 80

Net contents - 1 gallon (18 point type)

YALE CHEMICAL COMPANY  
NASHVILLE, TENNESSEE 37202

DIRECTIONS FOR USE

Clear all surfaces and thoroughly rinse to remove soap or  
detergents before using Yale Quaternary Bactericide solutions.  
Do not mix with soap or detergents. In sanitizing food  
handling equipment or utensils, allow contact with sanitizing  
solution for at least two minutes.

CAUTION: Avoid contamination of food.

ACCEPTED

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DILUTION	PARTS PER MILLION	PREPARATION
A	800	1 oz. to 2 gallons water.
B	400	1 oz. to 4 gallons water or 2 teaspoonfuls to 1 gallon of water.
C	200	1 oz. to 8 gallons water or 1 teaspoonful to 1 gallon of water.
D	100	1 oz. to 16 gallons water or 1 teaspoonful to 2 gallons of water.

#### GENERAL DISINFECTIONS AND SANITATION

Use dilution C (1 oz. to 8 gallons water) for general sanitizing of surfaces. For disinfecting cleaned surfaces, use 1 oz. to 4 gallons water for non-porous surfaces and 1 oz. to 2 gallons of water on porous surfaces.

#### POULTRY INDUSTRY

##### 1. DRINKING WATER

Add 1 oz. to 16 gallons drinking water to help prevent transmission of disease. Clean water founts and change water daily. (Treatment of water with Yale Quaternary Bactericide should be discontinued during treatment with sulfaquinoxaline).

##### 2. GENERAL SANITIZING

Use 200 ppm Yale Quaternary Bactericide (1 oz. to 8 gallons water) for rinsing feeders, fountains, brooders, crates, coops and for spraying or washing incubators, walls and floors. If infection was present in previous crop, use double strength solution. (1 oz. to 4 gallons water).

##### 3. EGG DIP

For dipping eggs, use 1 oz. to 8 gallons water. Hatchability is affected when eggs are treated with use solutions of Yale Quaternary Bactericide.

## FOOD INDUSTRY

### 1. PACKING PLANTS, STORAGE PLANTS

Yale Quaternary Bactericide may be used to sanitize food handling equipment, containers, cutting tables, counters, walls. The equipment must be cleaned first, rinsed thoroughly and then sanitized with 1 oz. to 8 gallons of water. Flush with a clear water rinse before next use. On porous surfaces and surfaces difficult to clean completely, (such as wooden cutting boards) use Yale Quaternary Bactericide at double strength (1 oz. to 4 gallons water). Flush surfaces with clear water rinse, before next use. For rinsing walls, floors use 1 oz. to 2 gallons water.

### 2. RESTAURANTS

For sanitizing dishes, glassware, silverware, etc. After washing and rinsing, sanitize with 1 oz. Yale Quaternary Bactericide to 8 gallons of water. Flush surfaces with clear water rinse before next use. Allow to air dry. Do not use a towel.

### 3. MILK PRODUCTION AND PROCESSING

For sanitizing milking machines, bulk tanks, storage tanks pasturizers, etc., use Yale Quaternary Bactericide at concentration of 1 oz. to 8 gallons of water. Equipment should first be cleaned, rinsed to remove detergent, and then sanitized. Flush equipment with clear potable water before next use. For rinsing walls, floors, use 1 oz. to 2 gallons water.

CAUTION: YALE QUATERNARY BACTERICIDE IS A CONCENTRATED SOLUTION AND MAY CAUSE SKIN IRRITATION OR BE HARMFUL IF SWALLOWED. DO NOT TAKE INTERNALLY. AVOID GETTING THE CONCENTRATION IN THE EYES. IN CASE OF CONTACT, WASH THOROUGHLY WITH WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. KEEP OUT OF REACH OF CHILDREN.