

IoQuat is tuberculocidal and permitted for use by the Animal Health Division, ARS, U.S. Department of Agriculture, in Official Disinfection Programs, involving domestic animal housing and transportation facilities.

IoQuat is authorized by the U.S. Department of Agriculture for use in federally inspected Meat, Poultry, Rabbit and Egg processing plants.

IoQuat used at the level of 1/5 oz. in 3 gallons of water passes the requirements of the official AOAC Detergent-Sanitizer test reducing the number of test organisms (E. coli) by 99.999% in 30 seconds.

Two ounces of IoQuat in 3 gallons of water passes the disinfectant requirement of the official AOAC Use Dilution Confirmation Method. The *Staphylococcus aureus*, *Salmonella choleraesuis*, and *Pseudomonas aeruginosa* test organisms are completely killed in 60 and 30 tubes, respectively.

In your environmental disinfectant program, IoQuat product kills, or inactivates a broad range of bacteria and fungi, and CRD virus, responsible for such common diseases as cholera, typhoid and pullorum in poultry; pig scours (salmonellosis and colibacillosis); calf scours (colibacillosis); and mastitis in dairy cows.

In addition it will inactivate the following organisms on environmental surfaces: *Streptococcus*, *S. lactis*, *S. pyogenes*, *Candida albicans*, *Pasteurella*, and *Trichophyton interdigitale*.

At a dilution of 4 oz. in 3 gallons of water, IoQuat in *in vitro* laboratory tests, has been shown to inactivate the viruses causing Marek's disease (acute leukosis) after 20 and 30 minutes exposure, respectively. The practical value of inactivation of the viruses causing Marek's disease and Rous Sarcoma in the environment is not known.

IoQuat combines the broad spectrum rapid kill of iodine with the residual bacteriostatic benefits of a quaternary ammonium compound, and was tested in accordance with the procedures of the Klarmann-Wright-Shternov residual-action method. The dried film of this disinfectant on a surface reduced by 99% the number of *Staphylococcus* organisms added 24 hours later and by 91% those added a week later, when the organism was added in a moist soil.

Warnings: Causes severe eye irritation. Causes skin irritation. Do not get in eyes, on skin or on clothing. Harmful if swallowed. Avoid contamination of food.

First Aid: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician.

Store at room temperature; avoid freezing.

Manufactured under U.S. Patents: 2,759,869; 2,977,315; 3,028,299 and 3,028,427. Additional patent pending.

IoQuat®

Cleans and disinfects in one easy step

A disinfectant, detergent-sanitizer, deodorizer, that combines the broad spectrum rapid kill of iodine with the residual bacteriostatic benefits of a quaternary ammonium compound.

Active Ingredients:

Polyethoxy polypropoxy polyethoxyethanol, N-alkyl (C ₁₂ , 54%; C ₁₄ , 18%; C ₁₆ , 9%; C ₁₈ , 9%; C ₈ , 5%; C ₁₀ , 5%) di (beta-hydroxyethyl) benzyl ammonium chloride-iodine complex*	13.8%
(Providing titratable iodine 1.50% and N-alkyl (C ₁₂ , 54%; C ₁₄ , 18%; C ₁₆ , 9%; C ₁₈ , 9%; C ₈ , 5.0%; C ₁₀ , 5%) di (beta-hydroxyethyl) benzyl ammonium chloride 1.50%)	
Phosphoric Acid	7.5%
Isopropyl Alcohol	5.0%
Inert Ingredients	73.7%
Total	100.0%

*West Chemical's Tetradine brand of Tamed Iodine®

Uses: For cleaning, disinfecting, meat and egg processing plants and poultry houses, equipment (tuberculocidal activity).

For cleaning sows prior to farrowing and dairy cows prior to milking.

As a shoe bath prior to entering and for dipping hatching eggs.

WARNING: Keep Out of Reach of Children

See left side panel for additional uses.

Manufactured for
E. R. Squibb & Sons, Inc.
New Brunswick, N.J. 08903

EPA Reg. No. 734-37

1 GALLON

EXP. DATE: 1.1.76

CONTROL: 4A03

Quat®

List 38920



and disinfects in one easy step

ant, detergent-sanitizer, deodorizer, that combines spectrum rapid kill of iodine with the residual benefits of a quaternary ammonium compound.

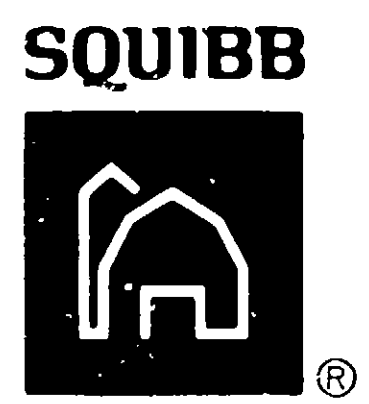
xy polyethoxyethanol, N-alkyl	
o, 9%; C ₁₈ , 9%; C ₈ , 5%; C ₁₀ , 5%)	
benzyl ammonium chloride-	13.8%
.....	
dine 1.50% and N-alkyl (C ₁₂ ,	
C ₁₈ , 9%; C ₈ , 5.0%; C ₁₀ , 5%)	
benzyl ammonium chloride 1.50%)	7.5%
.....	
.....	5.0%
.....	73.7%
Total	100.0%

Uses: For cleaning, disinfecting, sanitizing and deodorizing meat and egg processing plants, hatchery facilities, animal and poultry houses, equipment and transportation facilities (tuberculocidal activity).
 For cleaning sows prior to farrowing. As an udder wash for dairy cows prior to milking.
 As a shoe bath prior to entering poultry houses and barns.
 For dipping hatching eggs.

WARNING: Keep Out of Reach of Children.

See left side panel for additional warnings.

Manufactured for
E. R. Squibb & Sons, Inc.
 New Brunswick, N.J. 08903 Made in U.S.A.
 EPA Reg. No. 734-37 G0130B



DIRECTIONS

Purpose	Indications	Amt of loQuat Per 3 gal of water*	How to Use
Sanitize (see Note)	Surfaces of buildings, equipment and utensils already thoroughly washed with detergent and rinsed	1 1/2 tsp (7.5 ml)	Spray or swab on surfaces to be sanitized. Allow to dry without rinsing
Clean & Disinfect (see Note)	Buildings and Equipment	Normal Surfaces	2 oz
		Very porous or dirty surfaces	4 oz
	Transportation facilities, trucks, shipping crates, etc.	4 oz	Tuberculocidal and viral disinfection—Apply solution so as to wet all surfaces thoroughly.
Sanitize	Food processing equipment and utensils in USDA inspected food plants	1 1/2 tsp	Same as above for buildings and equipment, except follow with a potable water rinse.
Clean & Disinfect		2 oz	
Dipping Eggs	Hatching eggs only.	5 tsp	Dip hatching eggs for at least 3 minutes.
Cleaning Animals	Sows—before placing in farrowing pens or crates	4 oz	Scrub sow with soft bristled brush and sanitizing solution. Let sow drain dry. Do not rinse until just before farrowing.
	Dairy cattle—as an udder wash	4 oz	Just prior to milking, udder sanitizing solution. Rub off excess residue with individual towels before attaching milking machine.
Sanitizing Shoe Bath	Entrance to animal housing facilities	9 oz	Scrub shoes, mud, etc. from boots or shoes. Then stand in shoe bath for 30 seconds before entering. Prepare fresh solution daily.
Deodorant	Refuse containers, garbage pails, etc.	3 oz	Remove gross contamination. Swab or spray surfaces to be deodorized.

*Use lukewarm water to prepare all solutions

ON

EXP. DATE: 1.1.76 CONTROL: 4A036

List 38920

DIRECTIONS

Purpose	Indications	Amt of Iodquat Per 3 gal of water*	How to Use
Sanitize (see Note)	Surfaces of buildings, equipment and utensils already thoroughly washed with detergent and rinsed.	1 1/2 tsp (7.5 ml)	Spray or swab on surfaces to be sanitized. Allow to dry without rinsing.
Clean & Disinfect (see Note)	Buildings and Equipment	Normal Surfaces	First remove gross contamination by scraping, power spraying or shoveling. Then scrub surfaces with brush or use power sprayer and disinfectant solution. Start at highest point and work down. Allow to dry without rinsing.
		Very porous or dirty surfaces	
	Transportation facilities, trucks, shipping crates, etc.	4 oz	Tuberculocidal and viral disinfection—Apply solution so as to wet all surfaces thoroughly.
Sanitize	Food processing equipment and utensils in USDA inspected food plants	1 1/2 tsp	Same as above for buildings and equipment, except follow with a potable water rinse.
Clean & Disinfect		2 oz	
Dipping Eggs	Hatching eggs only	5 tsp	Dip hatching eggs for at least 3 minutes.
Cleaning Animals	Sows—before placing in farrowing pens or crates	4 oz	Scrub sow with soft bristled brush and sanitizing solution. Let sow drain dry. Do not rinse until just before farrowing.
	Dairy cattle—as an udder wash	4 oz	Just prior to milking, udder and teats should be off with sanitizing solution with individual teats before attaching milking machine.
Sanitizing Shoe Bath	Entrance to animal housing facilities	9 oz	Scrub floors, mud, etc. from boots or shoes. Then stand in shoe bath for 30 seconds before entering building. Prepare fresh solution daily.
Deodorant	Refuse containers, garbage pails, etc.	3 oz	Remove gross contamination. Swab or spray surfaces to be deodorized.

*Use lukewarm water to prepare all solutions

Note: Before using Iodquat in dairy barns, poultry houses and animal quarters, the animals and birds should be removed and not rehoused until all sanitized, cleaned and disinfected surfaces are dry.

1. Remove all animals (including poultry and feeds from premises, cars, boats, trucks, and other equipment including coops and crates).
2. Remove all litter and manure from floors, walls, and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals (including poultry).
3. Empty all troughs, racks, and other feeding and watering appliances.
4. Saturate all surfaces with recommended disinfecting solution.
5. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as for shovels and scrapers.
6. Ventilate buildings, cars, boats, and other closed spaces. Do not house livestock (including poultry) or employ equipment until treatment has been absorbed, set or dried.
7. All treated feed racks, mangers, troughs, automatic feeders, fountains and waterers must be thoroughly rinsed with potable water prior to reuse.

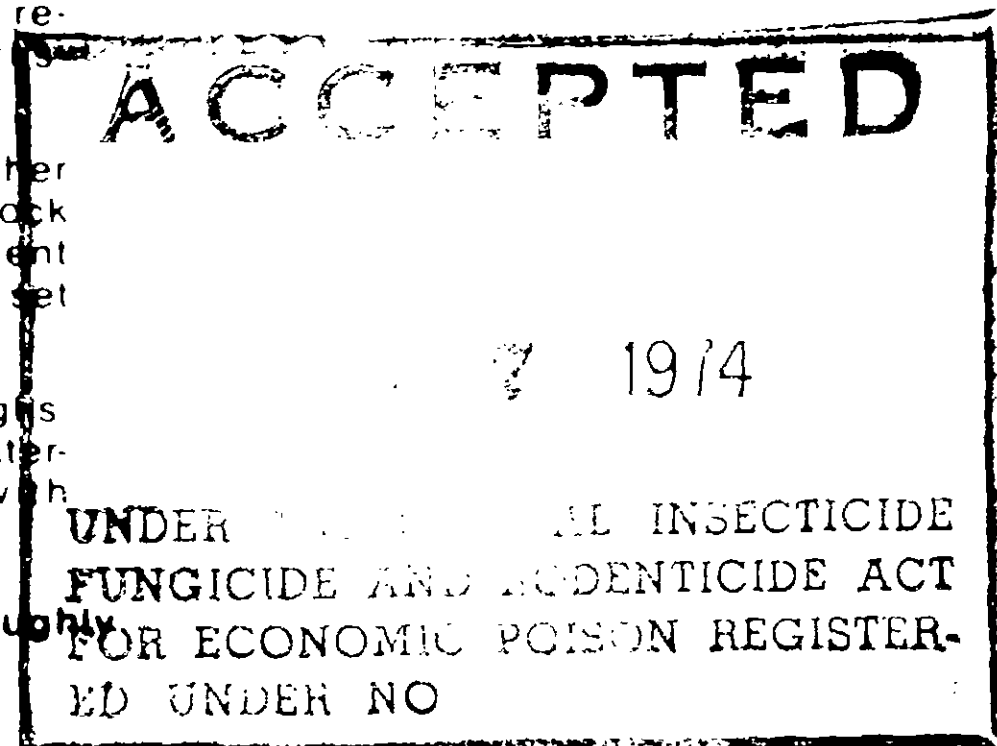
After use, rinse empty container thoroughly with water and discard it.

Standard measurements

- One teaspoonful = 5 ml
- One tablespoonful = 15 ml (1/2 oz)
- Two tablespoonfuls = 30 ml (1 oz)

Diluted active ingredient concentrations expressed as ppm of either titratable iodine or quaternary ammonium chloride (present in equal concentrations in the formulation) in 3 gallons of water.

- 1 1/2 tsp 9.9 ppm 2 oz 78 ppm 4 oz 156 ppm
- 5 tsp 33 ppm 3 oz 117 ppm 9 oz 351 ppm



TIME
LABEL
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