



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 13, 2015

Kevin R. Kutcel
Agent
KRK Consulting LLC
EIJ Industries Inc.
1217 West Lakeview Court
Romeoville, IL 60446

Subject: Label Notification per PRN 98-10 – Addition of an * germ qualifier, Hard Surface Sanitizer declaration and optional marketing text
Product Name: Aquavert
EPA Registration Number: 90567-1
Application Date: 01/15/2015
Decision Number: 499217

Dear Mr. Kutcel:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

If you have any questions, you may contact Killian Swift at (703) 3086346 or via email at swift.killian@epa.gov

Sincerely,

A handwritten signature in blue ink that reads "Wanda J. Fuller, for".

Demson Fuller, Product Manager 32
Regulatory Management Branch II
Antimicrobials Division (7510P)
Office of Pesticide Programs

NOTIFICATION

90567-1

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

02/13/2015

AQUAVERT

ACTIVE INGREDIENT:

Hypochlorous acid..... 0.018%
Other ingredients.....99.982%
Total.....100.000%

KEEP OUT OF REACH OF CHILDREN

EPA Registration number: 90567-1

EPA establishment number: 090567-IL- 001

Manufactured by:

EIJ Industries, Inc.
1428 Sherman Road,
Romeoville, IL 60446
800-991-0783
info@aquavertinc.com

www.aquavertclean.com

Batch Number:

Net Contents: 2 fl oz, 4 fl oz, 16 fl oz, 24 fl oz, 32 fl oz, 1 gallon, 5 gallons, 55 gallons, 275 gallons, 330 gallons

(OPTIONAL MARKETING STATEMENTS)

Aquavert Master label
EPA establishment number: 090567-IL- 001

Aquavert solutions are:

- 1) Affordable sanitizer.
- 2) Biodegradable, all sanitizing solution.
- 3) Cleans, deodorizes and sanitizes all in one easy step.
- 4) Non-corrosive, non-flammable and non-hazardous.
- 5) Do not require mixing, dilution, heating or protective equipment
- 6) Produced by electrolysis of weak solution of sodium chloride in a single stage process with controlled pH and concentration measured as Free Available Chlorine (FAC)
- 7) Can be used to sanitize homes, restaurant, hospital kitchens, institutional, commercial, athletic facilities, and industrial applications.
- 8) No water rinsing is necessary for food contact surfaces after sanitization.
- 9) Contains no VOC (Volatile Organic Compounds).
- 10) Ready to use sanitizer (RTU).
- 11) Produced from salt and water.
- 12) Multi-surface sanitizer
- 13) Sanitizer to Go
- 14) Kills Harmful Bacteria
- 15) Kills Harmful Bacteria (insert bacteria from Table 1)
- 16) Kills 99.99% of germs* and bacteria on hard non-porous surfaces
- 17) Glass sanitizer
- 18) 3 in 1 Formula (Cleaner, odor eliminator and sanitizer)
- 19) *Kills Harmful Bacteria (insert bacteria)
- 20) Kills 99.99% of Germs* and Bacteria

SANITIZING APPLICATIONS

Aquavert is a one-step, multi-purpose cleaner, deodorant and sanitizer that kills bacteria that may cause food poisoning. Aquavert can be used in and around food processing areas to sanitize hard, non-porous food contact surfaces.

DIRECTIONS FOR USE

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

Hard, Non-porous Non-Food contact surface sanitization

To sanitize hard non-porous surfaces, spray Aquavert solution until thoroughly wet. Treated surfaces must remain wet for 5 minutes. Allow surface to air dry. Note: For heavily soiled surfaces a preliminary cleaning with a detergent is required.

Aquavert is an effective one step cleaner, deodorant and sanitizer to sanitize bacteria such as Salmonella enterica, Escherichia coli (E. coli), Listeria Monocytogenes (Listeria), Methicillin – Resistant Staphylococcus aureus (MRSA), Staphylococcus aureus, Klebsiella pneumoniae and Salmonella enterica.

Aquavert kills 99.99% of bacteria on hard, non-porous surfaces with 5% organic load in five minutes. To deodorize spray on surfaces as required.

Hard, Non-porous Food contact Surface sanitization

To sanitize hard non-porous food contact surfaces, spray Aquavert solution until thoroughly wet. Treated surfaces must remain wet for 1 minute (60 seconds). Allow surface to air to dry or wipe with paper towel or clean cloth. No water rinsing is necessary after treating with sanitizer solution.

Aquavert can be used to sanitize homes, schools, colleges, restaurants, bars, institutional and hospital kitchens, food processing facilities, supermarkets, grocery stores, industrial and commercial establishments.

To sanitize food processing equipment in restaurants, bars, dairies, supermarkets, grocery stores and food processing establishments.

Before applying sanitizing solution clean all food particles and soil by scrap, soak or spray. Remove all grease and oil from the equipment with a detergent, followed by water rinse before applying Aquavert solution. Spray Aquavert solution on equipment to be sanitized until thoroughly wet. Treated surfaces must remain wet for 1 minute. Allow air to dry or wipe with a clean cloth or paper towel. No water rinsing is necessary after applying Aquavert solution.

To sanitize Agricultural facilities

To sanitize livestock, poultry or dairy farms, remove all animals feed from the premises. Remove all liter, droppings and manure from the floors, walls and surfaces of barns occupied or traversed by animals. Remove all gross filth, thoroughly clean all surfaces with a detergent and rinse with water. Spray Aquavert on all surfaces to be sanitized. Saturate surfaces with Aquavert for 5 minutes. No water rinsing is required after applying sanitizer.

For longevity of cut flowers or plants mix 4 ounces (1/2 cup) of Aquavert solution per quart of water in flower vase or buckets to retard the growth of non-public health bacteria. Change solution if it gets hazy. Spray diluted solution on plants or flowers to control bacteria growth.

To sanitize boots:

Apply Aquavert solution by spray on surfaces to be sanitized and treated surfaces must remain wet for 5 minutes. After 5 minutes wipe clean with a clean cloth or paper towel.

To control odor-causing bacteria, mold and mildew.

Before applying sanitizer dry the surfaces off as much as possible, as moisture promotes mold and mildew growth. Apply Aquavert solution directly to the mold or mildew by spraying. Treated surfaces must remain wet for 5 minutes. Aquavert solution controls mold and mildew present in bathrooms, kitchens and other rooms with tiles or non-porous surfaces. To deodorize spray on surfaces as needed.

General cleaning applications

Spray Aquavert solution on hard, non-porous soiled surfaces, then wipe clean with a clean cloth or paper towel. To clean and deodorize toilet bowl and sink, spray Aquavert until thoroughly wet. Flush, brush then flush again.

To deodorize surfaces

Spray Aquavert solution on surfaces to be deodorized until thoroughly wet. Treated surfaces must remain wet for 5 minutes. Wipe clean with a paper towel or clean cloth.

To clean, remove and reduce specified allergens

Apply Aquavert, wait for 5 minutes and wipe clean with a paper towel or clean cloth. Allow to air dry. Aquavert breaks down non-living allergens: Dust mite matter, Dust mite debris, cockroach matter, cockroach debris, pet dander, dog dander, cat dander and pollen particles.

Oil and Gas Applications (Oil field biocide)

Fracking Water

For typical fracking water treatment, mix 10 gallons of Aquavert solution with 1000 gallons of fracking water to 2.0 ppm FAC to reduce and control the growth of non-public health bacteria to protect fracturing fluids and polymers.

Produced water

For produced water treatment, mix 50 gallons of Aquavert solution with 1000 gallons of produced water to 9.5 ppm FAC to reduce and control the growth of non-public health bacteria and odor.

Water Flood injection treatment

For water flood injection treatment, mix 50 gallons of Aquavert solution with 1000 gallons of injection water to 9.5 ppm FAC to reduce and control the growth of non-public health bacteria.

Sour Wells

For sour oil well water treatment, slug dose 336 gallons of Aquavert into the well bore on a daily or weekly basis to reduce and control the growth of non-public health bacteria, reduce hydrogen sulfide gas and restore well integrity.

Heater Treaters: Hydrocarbon storage facilities and gas storage wells

For typical storage facility treatment, mix 252 gallons of Aquavert solution into the water phase of the mixed hydrocarbon / water system to reduce the growth of non-public health bacteria, control the formation of hydrogen sulfide gas and reduce corrosion of storage tanks.

Oil and gas transmission lines:

For typical transmission line treatment, slug dose 420 gallons of Aquavert solution into the transmission line on a daily or weekly basis to control the growth of non-public health bacteria such as anaerobic sulfate – reducing bacteria (SRB) and reduce microbiologically influenced corrosion (MIC).

Metalworking fluid and Lubricants sump treatment (Tank side biocide)

For typical metal working fluid water treatment, mix 25 gallons of Aquavert solution for 500 gallons of metalworking fluid sump to 9.5ppm FAC to reduce and control the growth of non-public health bacteria and odor.

Table 1			
Non-food contact surface list of Bacteria for sanitization applications	ATCC #	Kill Rate	Organic soil
Salmonella enterica	10708	99.985% in 2 minutes	5%
Salmonella enterica	10708	>99.999% in 5 minutes	5%
Escherichia coli (E. coli)	11229	99.985% in 2 minutes	5%
Escherichia coli (E. coli)	11229	>99.999% in 5 minutes	5%
Listeria Monocytogenes (Listeria)	984	>99.998% in 2 minutes	5%
Listeria Monocytogenes (Listeria)	984	>99.998% in 5 minutes	5%
Methicillin – Resistant Staphylococcus aureus (MRSA),	33591	>99.999% in 5 minutes	5%
Staphylococcus aureus	6538	>99.999% in 5 minutes	5%
Klebsiella pneumoniae	4352	>99.998% in 5 minutes	5%
Food-contact surface bacteria		Contact time	
Salmonella enterica	6539	1 minute (60 seconds)	5%

TABLE 2 Hard non-porous Food-contact Sites	
All food products and packaging must be removed or protected before applying Aquavert	
No water rinse is necessary after treating with Aquavert.	
Food contact sites	Food contact surfaces
Bars	Hard non porous Kitchen and buffet counter tops
Cafeterias	Beverage Equipment
Coffee shops	Beer Lines
Convenient stores	Bakery Equipment
Donut shops	Blenders
Delis	Cabinets
Grocery stores	Can openers
Institutional kitchens	Cutting boards
Hospital kitchens	Cupboards
Homes	Exterior surfaces of microwaves, freezers, ovens, appliances, refrigerators, ranges, dish racks and toasters
School kitchens	
Supermarkets	

Restaurants All food serving and processing areas	Food transportation trucks Food trays Hoods Ice machine Conveyor belts Grocery store carts Steam Tables Tables Slicers Yogurt and ice cream Equipment
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TABLE 3 Sanitizer for Hard non-porous surfaces (Nursery)	
Sites	Sanitizing surfaces
Day care centers Preschool Indoor playgrounds Homes	Baby bottles Cribs Diaper Diaper pails Changing tables Highchairs High chair trays Potty chairs Playpens Strollers Toys

Table 4 General use of sanitizer	
Sites	Sanitizing surfaces
Athletic facilities	Appliances
Airports	Athletic equipment
Airlines	Automobile interiors
Amusement parks	Bath tubs
Automobiles	Banisters
Barber shops	Blinds
Buses	Cabinets
Boats	Cell phones (unplug connection and do not spray directly)
Bowling Alleys	Computer (unplug connection and do not spray directly)
Cars	Computer keyboards and monitor
Churches	Countertops
Classrooms	Checkout counter
Colleges	Desks
Coffee Shops	Doorknobs
Correctional facilities	Dish racks
Convenience stores	Dish washers
Convention centers	Drinking fountains
Cruise ships	Dryers
Dental office	Eyeglasses
Dormitories	Fax machines
Dressing rooms	Faucets
Factories	Floors
Funeral homes	Glass surfaces and mirrors
Fire stations	Glassware
Fitness Centers	Grills
Health clubs	Guest rooms and tables
Hotels	Hand rails
Homes	Hampers
Laundry rooms	Haircutter blades
Locker Rooms	Hair dryers
Manufacturing plants	Headsets
Motels	Keyboards
Movie theatres	Kitchen tools
Nursing homes	Knives
Office Buildings	Lamps
Police stations	Light switches
Prisons	Linoleum
Preschool	Litter boxes
Post office	Lunch boxes
Rooms	Plastic patio furniture
Restrooms	Pet bowls
Schools	
Ships	

<p>Supermarkets Theme parks Trains Universities Wineries Yachts</p>	<p>Pet feeding dishes Pet toys Plastic furniture Pipelines associated with oil and gas production Recycling bins Remotes Showers Sinks Soap dispensers Steam rooms Saunas Tables Tablets (unplug connection and do not spray directly) Telephones Toilet seats Trash cans Tubs Towel dispensers Tweezers Urinal surfaces Utensils Vanities Walls Washing machine Windowsills Workstations</p>
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Table 5 Claims	
A Hard Surface Sanitizer	Leaves streak free shine
Multi-Purpose Sanitizer	Made in the USA
Ammonia / Alcohol / phosphorous free formulation	No harmful residue left after evaporation
Antibacterial	No measuring
Antibacterial sanitizer	Glass cleaner
Bathroom sanitizer	Kills germs
Biocide	Kills 99.99% of germs and bacteria
Bactericide	Kills odor causing bacteria
Cleaner clean	No rinsing
Cleans bathroom soil	Non-flammable
Cleans blood stains	Non-corrosive
Cleans mildew stains	One step cleaner, deodorant and sanitizer
Cleans fingerprints	Oil field biocide
	Patent pending formulation

<p>Colorless Contains no fragrances or dyes Deodorizer Effective under ambient temperature Eliminate odor Eliminate food odor Eliminate non-living allergens For cleaner, fresher homes Food-contact surface sanitizer</p>	<p>Tank side biocide Multi-purpose cleaner, deodorant and sanitizer Kitchen sanitizer Nursery sanitizer Household sanitizer Institutional sanitizer Reduce the risk of cross-contamination between treated hard non-porous surfaces Removes stains Reduces non-living allergens Removes pet odors like urine or feces Sanitize without rinsing Tough on bacteria Use daily Use common sense caution Use throughout your home on hard, non-porous surfaces Very low chemical load</p>
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Table 6 Recommended materials	Table 7 Do not use on these materials
<p>Chrome Hard, non-porous surfaces Formica Finished wood Glass Glazed ceramic tiles Glazed porcelain Laminated surfaces Laminated wood Plastic Plastic laminate Plexiglas Sealed fiberglass Stainless steel Sealed granite Sealed marble Vinyl tile</p>	<p>Aluminum Brass Clear plastic Clothes Copper Fabrics Painted surfaces Silver Unfinished wood Zinc</p>

OPTIONAL PICTURES:

Kitchens



Nursery



Bathroom



STORAGE AND DISPOSAL

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

For Household/Residential Packages:

Pesticide Storage and Disposal: Nonrefillable container. Store in cool, dry area away from heat and sunlight. Do not freeze. Do not reuse or refill this container. Place in trash or offer for recycling if available.

For industrial and commercial use packages:

Pesticide Storage: Store in a closed dark plastic container in cool, dry area away from heat and sunlight. Do not freeze. Do not store with easily oxidizable materials, acids and reducers. In case of spill, isolate container (if possible) and flood area with large amounts of water to dissolve all material before discarding this container in trash.

Emergency Handling: In case of contamination or decomposition, do not reseal container. Isolate in open, well-ventilated area. Flood with large volume of water. Cool unopened containers in vicinity by water spray.

Pesticide Disposal: Pesticide wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. 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 EPA Regional Office for guidance.

Small Packages (5 gallons or less):

Container Handling: Nonrefillable rigid container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay clear of smoke.

For Rigid Nonrefillable Containers 5 gallons or more

Container Handling: Nonrefillable rigid container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain

for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning if available or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay clear of smoke.

Container Handling: REFILLABLE CONTAINER. Refill this container with Aquavert only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.