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31

2686-8

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Page 175

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG 07 1998

Hydrite Chemical Co.
300 N. Patrick Blvd.
Drawer #0948
Brookfield, WI 53008-0948

ATTENTION: Carol M. Schwartz

SUBJECT: Multiquat No. 455
EPA Registration Number 2686-8
Your Amendment Dated: May 1, 1998

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable subject to the following conditions.

1) Revise the "Statement of Practical Treatment" as follows.

- "IF ON SKIN: Wash with plenty of soap and water. Get medical attention.
- IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.
- IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to a unconscious person. Drink promptly a large quantity of milk, eggwhites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.
- IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention."

You may continue to include the "Note to Physician".

2) In the "Directions for Use" section of the label, in the section describing egg sanitization, change the sentence "Sanitizing of Clean, Whole Eggs." to read as follows "Only clean, whole eggs can be sanitized. Dirty, cracked or punctured eggs cannot be sanitized." In this same section correct the spelling of subjected.

3) Revise the "Precautionary Statements" as follows.

"Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. ~~CONCURRENCES~~ inhaled. Avoid breathing spray mist. Wear

SYMBOL	7510 W						
SURNAME	G. Lewis						
DATE	8/7/98						

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

275

goggles and face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

- 4) In the "STORAGE AND DISPOSAL" section make the following changes. Directly under the statement "Do not contaminate water, food or feed by storage and disposal.", include a new section titled "PESTICIDE STORAGE". Include the following information in this new section: "Do not store on side. Avoid creasing or impacting of side walls. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use."

A stamped copy of the label is enclosed for your records. Submit one (1) copy of the final printed label prior to the release of the product for shipment.

If you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,

Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510W)

REFERENCES		CONCURRENCES					
SYMBOL	7510W-T Lantz 8/7/98-2686-8						
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5/1/48 Revision

Directions for Use

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

READ AND UNDERSTAND LABEL AND MATERIAL SAFETY DATA SHEET BEFORE PRODUCT USE.

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.

Apply Multiquat, No. 455 to pre-cleaned hard (inanimate) non-porous surfaces thoroughly wetting surfaces as recommended and required with a cloth, mop, sponge, sprayer or by immersion.

For sprayer applications, use a coarse mist pump or trigger sprayer. Spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray mist. **NOTE:** With spray applications, cover or remove all food products. Treated surfaces must remain wet for 10 minutes, then wipe with sponge, mop or cloth or allow to air dry. Prepare a fresh solution daily or when use solution becomes visibly dirty.

Multiquat, No. 455 is a concentrated Hospital Use disinfectant that is effective against a broad spectrum of bacteria, is virucidal*, fungicidal, and eliminates odor causing bacteria when used as directed.

Fungicidal Performance. At 0.5 oz. to 2.25 gallons of water use level, Multiquat, No. 455 is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces such as locker rooms, dressing rooms, shower and bath areas, exercise facilities.

***Virucidal Performance.** At a 3.5 oz/4.5 gallon use level Multiquat, No. 455 is a Hospital Disinfectant at 1:164 dilution (450 ppm active) against:

*Influenza A2/Hong Kong Herpes Simplex Type 1
Vaccinia Herpes Simplex Type 2

Bactericidal Performance

Bactericidal according to the current AOAC Disinfectants Use-Dilution Method against: Pseudomonas aeruginosa, Staphylococcus aureus and Salmonella choleraesuis.



MULTIQUAT, No. 455

Disinfectant-Sanitizer Fungicide-Deodorizer with Organic Soil Tolerance

EPA Registration No. 2686-8 □ EPA Establishment No. 2686-1A-07
□ EPA Establishment No. 2686-W1-08

Active Ingredients	
Octyl dodecyl dimethyl ammonium chloride	2.250%
Dodecyl dimethyl ammonium chloride	1.350%
Dioctyl dimethyl ammonium chloride	2.900%
Allyl C ₁₆ , 50%; C ₁₂ , 49%; C ₁₈ , 10% dimethyl benzyl ammonium chloride	1.000%
Inert Ingredients	92.500%
TOTAL	100.000%

KEEP OUT OF REACH OF CHILDREN
DANGER

STATEMENT OF PRACTICAL TREATMENT

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, gelatine solution; or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

NET CONTENTS:

U. S. Gallon (3.79 Liters/Gal.)

Manufactured by HYDRITE CHEMICAL CO. Brookfield, WI 53045



See Side Panel for Additional Precautionary Statements

3
2
5

Disinfection in Institutions, Industry and Schools. Add 2 oz. of Multiquat, No. 455 to 4.5 gallons of water.

Disinfection of Barber Tools. Pre-cleaned barber tools (such as combs, brushes, razors, and scissors) can be disinfected by immersing in a 0.5 oz/gallon solution of Multiquat, No. 455. Completely immerse salon instruments and tools in the disinfectant solution for at least 10 minutes. Rinse thoroughly and dry before use. Fresh solution should be prepared daily or more often if solution becomes cloudy or soiled.

Disinfection of Poultry Equipment, Animal Quarters. Poultry brooders, watering founts, feeding equipment and other animal quarters (such as slabs and kennel runs) Directions: Remove all animals and foods from premises, trucks, coops, and crates. Remove all litter droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Use a solution of 2 oz. Multiquat, No. 455 to 4.5 gallons of water. Saturate surfaces with the recommended disinfecting solution for a period of 10 minutes and allow to air dry. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

At 1 oz./4 gallons, Multiquat, No. 455 fulfills the criteria of Appendix F of the Grade "A" Pasteurized Milk Ordinances 1978 Recommendations of the U. S. Public Health Services in waters up to 400 ppm of hardness calculated as CaCO₃ 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 washed with a solution of 1 oz. Multiquat, No. 455 in 4 gallons of warm water. Use a fresh towel for each cow. Avoid contamination of wash solution by dirt and soil. Do not dip used towel back into wash solution. When visibly dirty, discard and provide fresh solution.

ACCEPTED
with COMMENTS
in EPA Letter Docket
AUG 7 1998

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

2686-08

427

575

Sanitizing of Food Processing Equipment and Other Hard Surfaces in Food Contact Locations. For sanitizing food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, countertops, refrigerated storage and display equipment and other non-porous, hard surfaces. Prior to application, remove gross food particles and soil by a pre-flush, or pre-scrape and, 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.

Apply a solution of 1 oz. Multiquat, No. 455 in 4 gallons of water (150 ppm active) to the pre-cleaned hard surface thoroughly wetting surfaces, as recommended and required, with a cloth, mop, sponge, sprayer or by immersion. Surfaces should remain wet for at least one minute followed by adequate draining and air drying. Fresh solution should be prepared daily or when use solution becomes visibly dirty. For mechanical application, use solution may not be reused for sanitizing applications. No potable water rinse is required after application of the sanitizing solution.

Immerse pre-cleaned glassware, dishes, utensils in a solution of 1 oz. Multiquat, No. 455/4 gallons of water for at least 60 seconds. Drain thoroughly before reuse and allow to air dry. No rinse required.

**WISCONSIN STATE BOARD OF HEALTH
DIRECTIONS FOR EATING ESTABLISHMENTS**

1. Scrape and pre-wash utensils and glasses whenever possible.
2. Wash with good detergent or compatible cleaner.
3. Rinse with clean water.
4. Sanitize in a solution of 1 oz. Multiquat, No. 455/4 gallons water. Immerse all utensils for at least two minutes or for contact time specified by governing sanitary code.
5. Place sanitized utensils on a rack or drain board to air dry.

Sanitizing of Clean, Whole Eggs. To sanitize clean egg shells intended for food or food products, use Multiquat, No. 455 at 150 ppm or 1 ounce per 4 gallons of water. The solution should be equal to or warmer than the eggs, but not to exceed 130°F. Wet eggs thoroughly and allow to drain. Eggs that have been sanitized with Multiquat, No. 455 shall be subjected to a thorough potable water rinse only if they are to be immediately broken for use in the manufacture of egg products. Eggs should be reasonably dry before casing or breaking. The solution should not be reused for sanitizing eggs.

**Precautionary Statements
Hazards to Humans and Domestic Animals**

DANGER

KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Do not breathe spray mist.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Do not store on side. Avoid creasing or impacting of side walls.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, 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

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

(For One Gallon or Less) Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

ENVIRONMENTAL HAZARDS

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 sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

