

FEB 17 1989

Alex C. Fergusson Company
Spring Mill Drive
Frazer, PA 19355

Attention: Mal E. Sorgenfrei

Gentlemen:


Subject: Vigilquat
EPA Registration No. 833-71
Your Application Dated August 5, 1988

This letter supercedes our letter dated December 19, 1988. Please disregard.

1. The amendment referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, to include the use for "shell egg sanitizing" is acceptable. A stamped copy is enclosed for your records.
2. Delete the word "milk" from the statement of practical treatment at the next printing of your product label.

If you have any questions concerning this letter, please contact Martha DeLaney at (703) 557-6982.

Sincerely yours,


 John H. Lee
 Product Manager (31)
 Antimicrobial Program Branch
 Registration Division (TS-76 C)

Enclosure

50261;I;DeLaney;LL-17;KENCO;2/1/89;3/16/:89;SG:ek:rw

CONCURRENCES

SYMBOL	SURNAME	DATE					

2063

VIGILQUAT

Disinfectant-Sanitizer, Fungicide-Deodorizer with Organic Soil Tolerance
for Hospital, Institutional, Industrial, School, Dairy and Other Farm Use

Active Ingredients

Alkyl-C14, 50% C12, 40% C16, 10% dimethyl benzyl ammonium chloride	4.00%
Octyl decyl dimethyl ammonium chloride	3.00%
Didecyl dimethyl ammonium chloride	1.5%
Dodcyl dimethyl ammonium chloride	1.5%
Inert Ingredients	90.00%
	100.00%

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

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

SEE RIGHT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No. 833-71

Net Contents

ACCEPTED
with COMMENTS
in EPA Letter Dated,

EPA Establishment No. 833PA-1

FEB 17 1989

Sanitizing of Food Processing Equipment and Other Hard Surfaces in Food Processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, and display equipment and other hard non-porous surfaces. No Potable water

Wash and rinse all articles thoroughly, then apply a solution of 1 oz. VIGILQUAT. Surfaces should remain wet for at least one minute followed by adequate rinsing prepared daily or when used solution becomes visibly dirty. For mechanical for sanitizing applications.

Apply to sink tops, countertops, refrigerated storage and display equipment, brush or mechanical spray device. No Potable water rinse is required.

Dishes, silverware, glasses, cooking utensils and other similar size food preparation in a 1 oz. 5 gallon solution of VIGILQUAT. No Potable water rinse is required.

At 1 oz. 5 gallons, VIGILQUAT fulfills the criteria of Appendix F of the Guidelines of the U.S. Public Health Services in waters up to 800 ppm of chlorine by the AOAC Germicidal and Detergent Sanitizer Method against Escherichia coli.

The udders, flanks and teats of dairy cows can be sanitized by washing with warm water. No Potable water rinse is required. Use a fresh towel for each teat by dirt and soil. Do not dip used towel back into sanitizing solution. Wash provide fresh solution.

Precautionary Statements
Hazards to Humans and Domestic Animals
DANGER

KEEP OUT OF REACH OF CHILDREN. CORROSIVE. CAUSES EYE DAMAGE. EYES, ON SKIN, OR ON CLOTHING. WEAR GOGGLES OR FACE SHIELD AND PROTECTIVE CLOTHING. HARMFUL IF SWALLOWED. DO NOT BREATHE SPRAY MIST.

STORAGE AND DISPOSAL

STORAGE: Keep container closed when not in use. Store indoors.

DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Wash with large quantity of water, washing to sewer or collection vessel.

Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. Do not reuse empty container, triple rinse, puncture and dispose of container.

registered under EPA Reg. No.
833-71

3063

Soil Tolerance
Other Farm Use

- 4.00%
- 3.00%
- 1.5%
- 1.5%
- 90.00%
- 100.00%

EN.

or eyes, call a physician. Remove and wash con-
re not available, drink large quantities of water

Measures against circulatory shock, respiratory

EMENTS

EPA Establishment No. 833PA-1

Sanitizing of Food Processing Equipment and Other Hard Surfaces in Food Contact Locations: For sanitizing food process-
ing equipment, dairy 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.**

Wash and rinse all articles thoroughly, then apply a solution of 1 oz. VIGILQUAT in 5 gallons of water (150 ppm active).
Surfaces should remain wet for at least one minute followed by adequate draining and air drying. 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 immer-
sion in a 1 oz. 5 gallon solution of VIGILQUAT. **No Potable water rinse is required.**

At 1 oz. 5 gallons, VIGILQUAT fulfills the criteria of Appendix F of the Grade A Pasteurized Milk Ordinance 1978 Recom-
mendations of the U.S. Public Health Services in waters up to 800 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 sanitized by washing with a solution of 1 oz. VIGILQUAT in 5 gallons of
warm water. **No Potable water rinse is required.** Use a fresh towel for each cow. Avoid contamination of sanitizing solu-
tion by dirt and soil. Do not dip used towel back into sanitizing solution. When solution becomes visibly dirty, discard and
provide fresh solution.

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 THIS
PRODUCT. HARMFUL IF SWALLOWED. DO NOT BREATHE, SPRAY, MIST, AVOID CONTAMINATION OF FOOD.**

STORAGE AND DISPOSAL

STORAGE: Keep container closed when not in use. Store indoors.

DISPOSAL: Do not contaminate water, food, or feed by storage or disposal, or cleaning of equipment. In case of spill
flush area with large quantity of water, washing to sewer or collection vessel.

Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

Do not reuse empty container. Triple rinse, puncture, and dispose of container in a sanitary landfill or by incineration.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Apply VIGILQUAT 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 used solution becomes visibly dirty.

Disinfection of Poultry Equipment, Animal Quarters and Kennels: Poultry brooders, water fountains, feeding equipment and
other animal quarters (such as stalls and kennel areas) can be disinfected after thorough cleaning by applying a solution of
1.75 oz. VIGILQUAT to 5.0 gallons of water. 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 empty
equipment until treatment has been absorbed, set or dried.

All treated equipment that will contact feed or drinking water must be rinsed with potable water before reuse.

Disinfection in Hospitals, Nursing Homes and Other Health Care Institutions: For sanitizing floors, walls, countertops,
bathing areas, lavatories, bed frames, tables, chairs, garbage cans and other non-porous surfaces.

Add 3.0 oz. VIGILQUAT to 5.0 gallons water. Apply to previously cleaned hard surfaces. At this use level, VIGILQUAT is
effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella choleraesuis* in the presence of 5%
blood serum when evaluated by the AOAC Use Dilution test.

Disinfection in Institutions, Industry and Schools: Add 1.75 oz. of VIGILQUAT to 5.0 gallons of water. At 0.5 oz. to 3.0
gallons of water use level, the fungicidal effectiveness of VIGILQUAT in the presence of 5% blood serum against
Trichophyton Mentagrophytes has been shown utilizing the AOAC Fungicidal Test.

SHELL EGGS SANITIZING: Thoroughly clean all eggs. Thoroughly mix 1 oz. of the product with 5 gals. of
warm water to produce 150 ppm VIGILQUAT. The sanitizer temperature should not ex-
ceed 130°F. Soak the warm sanitizer so that the eggs are thoroughly wetted. Allow the eggs to
thoroughly dry before packing or shipping. Do not apply a potable water rinse. The solution should not be
re-used to sanitize eggs.

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Abx Co.

Engelsson Co.

SPRING MILL DRIVE • FRAZER, PA. 19355 • (215) 647-3300