

PH31

4524-51

1 of 2

MAR 03 1993

H. B. Fuller Company
P. O. Box 21159
3900 Jackson Street NE
Minneapolis, MN 55421

Attention: Laura Mc Cory

Gentlemen:

Subject: Enquat
EPA Registration Number 4524-51
Your Submission Dated November 11, 1992
EPA Received Date November 12, 1992

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, to update the Confidential Statement of Formula, is acceptable.

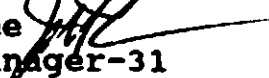
The revised Confidential Statement of Formula is filled out correctly. It is in compliance with PR Notice 91-2 and agrees with the revised label.

In the revised label, the first active ingredient, "Octyl decyl dimethyl ammonium chloride" should be aligned to the same left hand margin with the other active ingredients and the heading "Active Ingredients" should be placed above the ingredients and should be aligned to the same left hand margin with Inert ingredients.

A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Karen M. Leavy at (703)-305-6966.

Sincerely yours,

John H. Lee 
Product Manager-31
Antimicrobial Program Branch
Registration Division (H7505-C)

CONCURRENCES

SYMBOL							
SURNAME							
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4524-51

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Monarch[®]

Enquat

SK 0312

Sanitizer-Deodorizer with Organic Soil Tolerance. For Institutional, Industrial, School, Dairy and Other Farm Use. For Food Handling and Processing Areas, Restaurants and Dairies.

Active Ingredients: Octyl dacyl dimethyl ammonium chloride	2.2500%
Didecyl dimethyl ammonium chloride	1.3500%
Diethyl dimethyl ammonium chloride	0.9000%
Alkyl (C ₁₂ 50%; C ₁₁ 40%; C ₁₀ 10%) dimethyl benzyl ammonium chlorides	3.0000%
Inert Ingredients	92.5000%
	100.0000%

KEEP OUT OF REACH OF CHILDREN

DANGER: Precautionary Statements. Hazards To Humans and Domestic Animals.
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. CONSULT MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION. FOR INDUSTRIAL USE ONLY.

Medical personnel familiar with this product are available 24 hours a day, 7 days a week.

Toll-free medical emergency number **1/800-228-5635**

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 large quantities of water. Avoid alcohol. Call a physician immediately.

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

EPA Reg. No. 4524-51
EPA Est. No. 4524-MN-1

EPA Reg. No. 4524-51
EPA Est. No. 4524-NY-1

EPA Reg. No. 4524-51
EPA Est. No. 4524-CA-2

EPA Reg. No. 4524-51
EPA Est. No. 4524-NC-1

Directions For Use:

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

Enquat is a cleaner sanitizer for food processing equipment in water up to 800 ppm hardness (as CaCO₃). Do not rinse with water. For heavily soiled equipment, a preliminary cleaning is required. Prepare a fresh solution daily or when used solution becomes visibly dirty.

Cleaning Food Processing Equipment

Sanitizing—To sanitize hard non-porous food contact surfaces, such as equipment, utensils, dishes, silverware, glasses, and countertops, clean with a good detergent and rinse thoroughly. Dilute 1 oz. of ENQUAT in 4 gallons of water (150 ppm active quaternary) and apply with a cloth, brush, mechanical spray device (spray until thoroughly wetted) or by immersion. Equipment should remain immersed for 60 seconds followed by drain and air drying. Do not rinse with water.

To sanitize porous surfaces, such as wooden floors, wooden platforms and tabletops, use a solution of 3 oz. in 4 gallons (450 ppm). All surfaces should be exposed to the sanitizing solution for a period of at least 2 minutes. Any food contact surface treated with concentrations in excess of 150 ppm must be rinsed with a solution of 1 oz. to 4 gallons of water (150 ppm). All treated surfaces must be allowed to drain and air dry. Do not rinse surfaces or equipment with water.

For Use as a Hand Sanitizing Dip for Food Plants. Wash hands thoroughly with soap and water. 2. Rinse hands thoroughly. 3. Dip hands in a solution containing Enquat made at the rate of 1 oz. per 4 gallons of water. (This solution contains 150 ppm active quaternary ammonium compound).

Utensil Washing. Approximately one minute before applying milking unit, wash and massage teats with a clean paper towel with a solution of Enquat at 1 oz. to 4 gallons of water at 110°F. Provides 150 ppm solution. Never reuse towels or dip a used towel back into solution. Always use freshly prepared solutions, and non-corrodible utensils.

Sanitizing Shell Eggs Intended for Food. To sanitize previously cleaned food-grade eggs in shell egg and egg product processing plants, spray with a solution of 1 oz. Enquat in 4 gallons of warm water (150 ppm quat). The solution should be warmer than the eggs, but not to exceed 130°F. Wet eggs thoroughly and allow to drain. Eggs sanitized with this product shall be subjected to a potable water rinse only if they are broken immediately for use in the manufacture of egg products. Eggs should be reasonably dry before casing or breaking. The solution should be re-used for sanitizing eggs.

Disinfection of Poultry Equipment, Animal Quarters and Kennels. Poultry breeders, watering fountains, feeding equipment and other animal quarters (such as stalls and kennel areas) can be disinfected after thoroughly cleaning by applying a solution of 4.25 oz. Enquat in 4 gallons of water with a mop, cloth, or brush. Small utensils should be immersed in the solution. Prior to disinfection, all poultry, other animals and their feeds must be removed from the premises. This includes emptying all troughs, racks and all 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 employ equipment until treatment has been absorbed, set or dried. All treated equipment that will contact food or drinking water must be rinsed with potable water before reuse.

STORAGE AND DISPOSAL

Prohibitions: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide Disposal: Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Section C of the Resource Conservation and Recovery Act. Container Disposal: Plastic containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by incineration if allowed by state and local authorities.

General: Consult federal, state or local disposal authorities for approved alternative procedures.

Enquat is a concentrated sanitizing agent and should be diluted before using. Enquat solutions should not be used with soaps or anionic detergents as such mixtures will impair the anti-bacterial effectiveness of Enquat.



REGISTERED
with COMEN
in EPA Letter 107

H.B. Fuller Company
Monarch Division

3900 Jackson Street Northeast
Minneapolis, Minnesota 55421

HMIS[®] NPCA 1981

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

NET CONTENTS

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Form L0312PC-1191

MAR 03 1998

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
reg. 4524-51 EPA Reg. No.