

ACCEPTED

FUNGICIDE AND NODMINICIDE ACT FOR ECONOMIC PORTIN REGISTER-ED UNDER NO. 222 3 SUBJECT TO ATTACHED COMMENTS.

VARIGUAT® 80ME

EPA REG. NO. 18533-5

GERMICIDAL CONCENTRATE

ACTIV	E INGRED	DIENTS:						
Alkyl	(50%C14,	40%C12,	10%C16)	dimethylbenzyl	ammonium	chloride	S	80.0%
INERT	[INGRED	ENTS:						
Water								. 8.0%

DIRECTIONS: See Technical Bulletin for suggested uses.

This product is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes. Keep out of lakes, streams, or ponds.

Rinse empty containers thoroughly with water and discard. See other precautions and First Aid.

DANGER: KEEP OUT OF REACH OF CHILDREN.

Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal 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 re-use. 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: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

FOR FORMULATION OF GERMICIDES ONLY

GAL NET on Chemicals

VARIQUAT' SOMC Germicide

ASSEASED CHEMICAL COMMANY . DIVERS MORE A CLEAND CILLING BOX 4719, COLUMNAL, Obio 43(16 ★ (£14) 665 5333

- February 1574

QUATERNARY A (MONIU) GERMICIDAL CONCENTRATE (EPA Registration No 18533 4)

DESCRIPTION: VARIQUAT SOME germicide is a highly eta clive quaternary manonium type used widely whose disinfection and sanitizing are important. Here are some examples of __ applications:

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Hospital walls and floors (See note 40. 1 herein)

Barber and beauticions instruments

Restroom maintenance:

Food processing plants (See not. iio. 2 herein)

form and dairy cleaning (See note ato. 2 herein)

Restaurant dishes and classware (See note 40. 2 herein)

VARIQUAT 80MC is an effective scrittzer in hard water as demonstrated by the Octobal Methods of Analy, is of the Association of Official Analytical Chemica, Gloventh Fr. Chapter 4). It was found that 260 open (active) of the quaternary halled 99.9560 of Vs Seriebia Coll in 30 seconds in water of 500 ppm hardness, expressed as calcium carbon Ac.

It can therefore be stated that VARIQUAL SUIC fulfills the criteria of Appendix F of the Crade A Vasteurized Milk Ordinance 1965 Recommendations of the U.S. Public Health Service in waters up to 500 ppm hardness calculated as CaCO3, when tested by the A.O.A.C. Germicidal and Detergent Sanitizers - Official Method.

TYPICAL PROPERTIES

Form $_{
m pH}$ Solubility

Colorless liquid Neutral range Freely soluble in water or alcohol

0.93; 7.8 lb/gal

Specific Gravity 25°C

Composition

Active Ingredients

Alkyl (50% C_{14} , 40% C_{12} , 10% C_{16}) dimethylbenzyl aciaonium chlorides

Isopropyl Alcohol

mert Ingredient Water

80 12.00

8.0%



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The results of both testing methods using VARIQUAT SOME ages hown in this table:

GERATCIDAL I UFFICIAL ENDIS

	Phenol Coefficient		Use Concentertion	
	VARIQUAT 80MC	$rac{ m Active}{ m Quat}$.	VAMQU VU 80MC PPm	Active Quat . ppm
Staphylococcus aureus (ATCC 6508)	431	539	500	400
Salmonella typhosa (ATCC 10708)	473	591		
Salmonella choleraesuis			500	400
Streptococcus hemolyticus	·		500	400
Pseudomonus acruginosa			1000	800

en making claims for formulated products, a distinction should be deawn between the iollowing to ms:

Disinfection - Destruction of most vegetative bacteria, but not necessarily bacterial spores.

Sanitization - Reduction of bacteria to a safe level, as determined by public health requirements.

In general, claims for disinfection should only be made where a surface is to be treated after cleaning with a use level of 400 ppm active quaternary or more, on previously cleaned nonporous surfaces. Similary, sanitizing claims can be made for solutions containing 200 ppm active quaternary.

NOTE NO.1: VARIQUAT 80MC is not effective against the organism pseudomonas aeruginosa at the disinfectant concentration of 400 ppm (active). Use solutions must contain 800 ppm (active).

Use solutions are prepared by first mixing 12.5 parts (by weight) VARIQUAT 80MC in 87.5 parts water. One ounce of this solution in two gallons of water prepares a disinfecting rinse with 400 ppm active quaternary. One ounce in four gallons of water prepares a sanitizing rinse with 200 ppm active quaternary.

No. 2: Sanitizing solutions for use on food contact surfaces may contain no more than 200 ppm active quaternary. In all cases where a santized surface way later contact foods, a final rinse with potable water is required.

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ACBISTRATION OFFICES

PESTITIONES FOR

All formulated dermicidal products fust carry an EPA Registration Number on labels sold in interstate correcte. This is obtained from the Environmental Protection Agency, Pesticides Office, Washington P.C. 20150. Test data are required for registration. KITTIVED

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CAUTION: Special care must be exercised when handling VARIQUAT 80MC. The following precautions must be observed.

DANGER: KEEP OUT OF REACH OF CHILDREN

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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, <u>promptly</u> drink 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

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, repiratory depression and convulsion may be needed.

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