

benz-all® / benz-all®

TINTED

CLEAR

GERMICIDAL CONCENTRATE

- No guess measuring
- No anti-rust powders or tablets to add

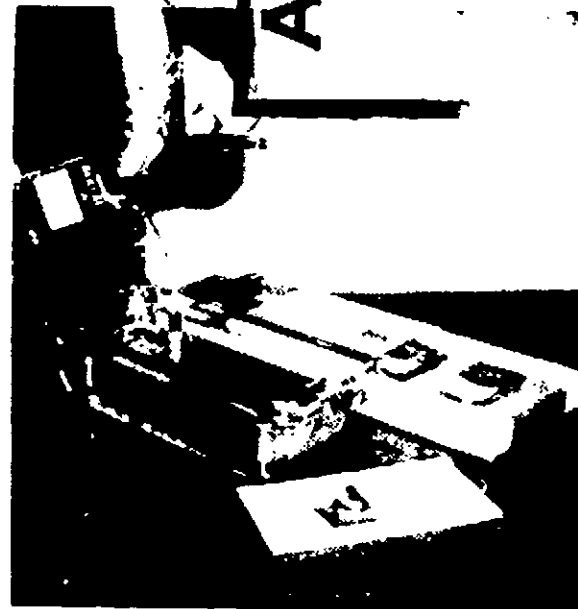
ONE QUART
TEAR



ONE GALLON
TEAR



POUR



POUR



XTTRIUM LABORATORIES
Chicago, Illinois 60609

benz-all®

TINTED

RECEIVED

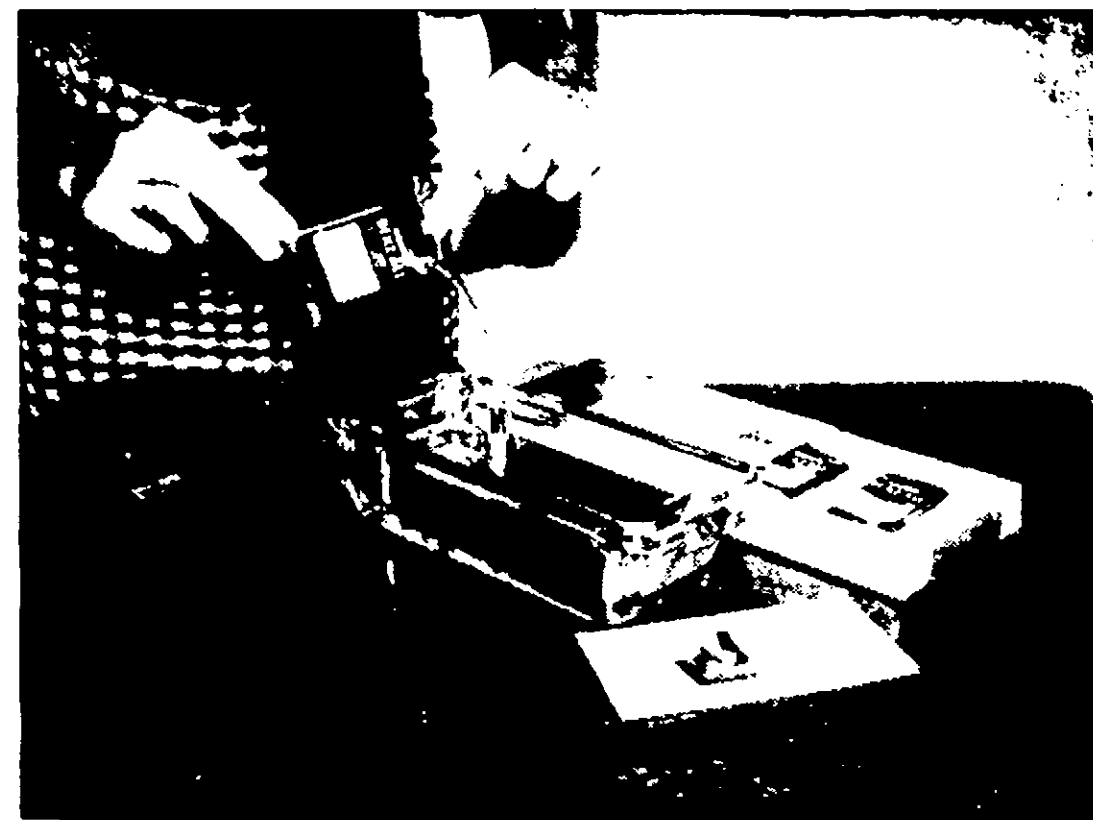
9 JUL 1974

REGISTRATION NO. 5468-14
PESTICIDES, U.S. DEPT. OF AGRICULTURE

benz-all®

CLEAR

GERMICIDAL CONCENTRATE
PLUS ANTI-RUST FACTOR



XTTRIUM LABORATORIES
Chicago, Illinois 60609

ACCEPTED

JUL 19 1974

5468-14

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
ED UNDER NO. 5468-14



Brand of Benzalkonium Chloride

ACTIVE INGREDIENTS:

Alkyl (C₁₂ 67%, C₁₄ 25%, C₁₆ 7%, C₈, C₁₀ and C₁₈ 1%)
Dimethyl Benzyl Ammonium Chloride12.9%

INERT INGREDIENTS: 87.1%
(Including Sodium Nitrite.....15.9%)

BENZ-ALL® (Tinted)/BENZ-ALL® (Clear) is a formula consisting of a very efficient germicidal concentrate with an anti-rust factor included and has been shown to be effective in the chemical disinfection of professional and hospital instruments and equipment. In the recommended dilutions it is odorless, non-staining and will inhibit rust formation. Its extreme wetting action and low surface tension give it a distinct advantage for disinfection of hospital and dental equipment.

BENZ-ALL® (Tinted)/BENZ-ALL® (Clear) is a mixture of high molecular alkyldimethylbenzyl ammonium chlorides in which the alkyl radicals range from C₈H₁₇ to C₁₈H₃₇ and the anti-rust factor sodium nitrite.

BENZ-ALL® (Tinted)/BENZ-ALL® (Clear) is extremely soluble in water making a clear, colorless (except when tinted) almost odorless solution. It is soluble in acetone and alcohol, insoluble in ether and only slightly soluble in benzene. The aqueous solution is somewhat alkaline to litmus.

USE: Primarily BENZ-ALL® (Tinted)/BENZ-ALL® (Clear) was formulated to be used in chemical disinfection techniques. The tinted material does not have the tendency to stain and has a minimum color change with a change in the pH. This dye is compatible with the active ingredients.

DIRECTIONS: To prepare a one-quart solution of 1:750 concentration merely empty one 10 cc packet of BENZ-ALL® (Tinted)/BENZ-ALL® (Clear) into one quart of tap or distilled water. A gallon solution of the same concentration is prepared by adding one 40 cc packet to one gallon of tap or distilled water. In known hard water areas always use distilled water. Be sure to wash instruments removing all blood, debris and soap. Immerse instruments for at least 15 minutes and remove ready to use. Chemical disinfection should not be relied upon to disinfect hinged instruments, those with deep crevices, hypodermic needles and syringes. However, to store some heat sterilized instruments a 1:750 solution which has not been previously used may be employed.

Precautions should be observed to prevent contamination of these solutions with resistant organisms. Quaternary ammonium type disinfectants will not eliminate spore bearing organisms, Mycobacterium tuberculosis or viral hepatitis and any instruments thought to be contaminated by such organisms should be sterilized by autoclaving.

Do not use BENZ-ALL® (Tinted)/BENZ-ALL® (Clear) for disinfection of optical instruments with cemented parts.

GERMICIDAL ACTIVITY: BENZ-ALL® (Tinted)/BENZ-ALL® (Clear) has been assayed according to the official A.O.A.C. Use Dilution Method and shows that there is no loss in efficiency of the active ingredients by the formulation or packaging.

BENZ-ALL® (Tinted)/BENZ-ALL® (Clear) is conveniently packaged in 40 cc and 10 cc packets tinted or plain for rapid preparation of a one-gallon or one-quart solution of 1:750 concentration. This method of packaging minimizes any storage or breakage problems. The packets include sufficient anti-rust material to insure long serviceability of instruments disinfected with BENZ-ALL® (Tinted)/BENZ-ALL® (Clear). The BENZ-ALL® (Tinted)/BENZ-ALL® (Clear) concentrate is scientifically formulated to include a rust inhibitor. No additional powders or tablets are required.

DANGER: KEEP OUT OF REACH OF CHILDREN.
SEE OUTER BOX LABEL FOR FIRST AID AND
ADDITIONAL PRECAUTIONS.

BENZ-ALL® (Tinted) EPA. Reg. No. 5464-1
BENZ-ALL® (Clear) EPA. Reg. No. 5464-14

APRIL, 1974