

POULTRY PRODUCTION SANITATION PROGRAMS

# BIO-GUARD HEDS

## HATCHING EGG DETERGENT SANITIZER

ACTIVE INGREDIENTS: Sodium carbonate 29.00%; Sodium metasilicate 25.00%; Alkyl (C<sub>12</sub>, 90%; C<sub>14</sub>, 5%; C<sub>16</sub>, 5%) dimethyl benzyl ammonium chloride 5.96%; Alkyl (C<sub>12</sub>, 90%; C<sub>14</sub>, 5%; C<sub>16</sub>, 5%) dimethyl ethyl ammonium bromide 0.96%; Ethylenediamine tetraacetic acid, tetrasodium salt 0.38%; Alkenyl (C<sub>12</sub>, 75%; C<sub>14</sub>, 25%) dimethyl ammonium acetate 0.19%; Bis (2-hydroxyethyl) alkyl (as in the fatty acids of coconut oil) ammonium acetate 0.19%; Dodecylbenzyl alkyl (C<sub>12</sub>, 70%; C<sub>14</sub>, 30%) dimethyl ammonium chloride 0.19%

TOTAL ACTIVE INGREDIENTS 61.87%

INERT INGREDIENTS 38.13%

Inert includes detergent and water conditioning materials.

LEADERSHIP THROUGH RESEARCH AND INTEGRITY



Manufacturing Chemists  
Microbiologists

DECATUR, GEORGIA

Manufactured exclusively by

BIO-LAB, INC.  
Decatur, Georgia

**DANGER** KEEP OUT OF REACH OF CHILDREN  
See other precautions on side panel

Net Contents: \_\_\_\_\_

ACCEPTED  
FEB 26 1973  
UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND RODENTICIDE ACT  
FOR ECONOMIC POISON REGISTERED  
UNDER NO. 578-26 SUBJECT  
TO ATTENTION 18

BIO-GUARD HATCHING EGG DETERGENT SANITIZER is a carefully balanced cleaner and sanitizer specifically formulated for washing and sanitizing hatching eggs. It must be used as directed and should not be mixed with any other chemical compound.

### DIRECTIONS

Maintain wash solution at 110°-120°F. Dissolve one ounce BIO-GUARD HATCHING EGG DETERGENT SANITIZER in each three gallons of water. For example, an egg washing machine with a water capacity of 9 gallons would use three ounces of BIO-GUARD HATCHING EGG DETERGENT SANITIZER. Very dirty eggs may require a slightly stronger solution. For basket immersion type machines, be sure water temperature is maintained at 110°-120°F. Immerse eggs for three minutes, remove from solution and allow to drain and dry. Do not use fan to speed drying of eggs. Permit eggs to dry completely before casing. Wash five dozen eggs per gallon of solution. Then use BIO-GUARD test paper to determine if level of germicide is adequate for further use. NOTE: Do not continue to wash eggs in exhausted solution as this will spread bacteria, possibly causing a marked reduction in hatchability and an increase in exploder eggs.

For large brush and spray type machines contact Bio-Lab for special instructions based on number of eggs processed daily.

**DANGER:** Avoid direct contact with food or food products. Harmful if swallowed. Causes skin irritation. May cause eye damage. Do not get in eyes, on skin or on clothing. In case of contact, wash thoroughly with water. If skin irritation persists, get medical attention. For eyes, flush thoroughly with water and immediately get medical attention.

Do not reuse empty drum. Return to drum reconditioner or destroy by perforating or crushing and burying in a safe place away from water supplies.

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