



# FORMALDEHYDE SOLUTION

For use with Potassium Permanganate for disinfection of incubators, hatcheries and hatchery rooms.

Active Ingredients:	
Formaldehyde .....	87
Methyl Alcohol .....	12
Inert Ingredients:	
Water .....	51
Total	100

Keep Out of

Antidote call

ACCEPTED

11-18-71

RECEIVED  
GENERAL INSPECTION  
DIVISION  
6035-47

**Net Contents (avdp): 1 GALLON (3.78 Liters)**

## VINELAND LABORATORIES INC.

VINELAND, N. J. 08360, U.S.A.

FORMALDEHYDE can be used successfully when eggs are in the incubator without injury to the eggs. However, eggs should not be incubated for the first 5 days of their incubation period. If separate hatching unit is maintained, the ideal procedure is to fumigate the eggs as soon as they are transferred from the incubator to the hatching unit.

To be effective, Formaldehyde fumigation should not be used in the presence of any other fumigant. The relative humidity should be low.

FOR FUMIGATION OF HATCHING UNITS, use 1 cubic foot of space to be fumigated with 1 ounce (approx.) of a 5% solution of POTASSIUM PERMANGANATE and 10 (approx.) table spoons of 37% FORMALDEHYDE SOLUTION.

Use 1 ounce POTASSIUM PERMANGANATE and 10 (approx.) table spoons of 37% FORMALDEHYDE SOLUTION per 100 cubic feet of space to be fumigated. Place the vessel about 50 feet in the middle compartment of the incubator.

Inert Ingredients:

Water..... 100

Total 100

Keep Out of

Reach of Children

11-18-71

REGISTERED  
TRADEMARK  
OF  
VINELAND LABORATORIES, INC.

6035-47

**Net Contents (avdp): 1 GALLON (3.78 Liters)**

# VINELAND LABORATORIES INC.

VINELAND, N. J. 08360, U. S. A.

OF FORMALDEHYDE can be used successfully on eggs as long as the incubator without in any way affecting the eggs. However, eggs should not be returned to the nest boxes of their incubating parent. If separate hatching units is maintained, the usual procedure is to fumigate the eggs as soon as they are transferred from the incubator to the hatching units.

For use on the nest, formaldehyde fumigation should not be used at temperatures below 50°F and relative humidity should be over 70%.

**FOR FUMIGATION OF HATCHING EGGS:** For each 100 cu. ft. of space to be fumigated, use 1 oz. (approx. 1 tablespoonful) of POTASSIUM PERMANGANATE and 1 oz. (approx. 2 tablespoonful) of the FORMALDEHYDE SOLUTION.

Put the POTASSIUM PERMANGANATE in a carbonware or enamel vessel and dilute with water to a volume about 10 times the amount of solid used. Place the vessel about 1 foot from the middle compartment of the incubator.

Put the FORMALDEHYDE and POTASSIUM PERMANGANATE together immediately and close the door, as soon as the fumigation is completed. Do not attempt to allow the gas to penetrate parts of the incubator.

**FOR FUMIGATION OF BIRDS:** For each 100 cu. ft. of space to be fumigated, use 1 oz. (approx. 1 tablespoonful) of POTASSIUM PERMANGANATE and 1 oz. (approx. 2 tablespoonful) of the FORMALDEHYDE SOLUTION.

Use the same amount of formaldehyde as in the procedure for birds, but use 10 times as much potassium permanganate. After 10 minutes, if the birds are not dead, use 10 times as much potassium permanganate. Put the birds in the gas chamber and add 10 ml. of AMMONIA WATER (10% solution) to the amount of FORMALDEHYDE used. Use the ordinary household ammonia solution as available.

Please Refer to Contact Information on Back of Container for Further Information

U. S. D. A. Reg. No. 6-3-47

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