



# FORMALDEHYDE SOLUTION

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

Active Ingredients: ..... 37%

Formaldehyde .....

Inert Ingredients: ..... 63%

KEEP OUT OF REACH OF CHILDREN

**DANGER**  
**POISON**

See Left Panel For Other Precautions and Statement of Practical Treatment  
Net Contents: 1 GALLON (3.785 liters)



**VINLAND LABORATORIES**

### DIRECTIONS FOR USE

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

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

Put the POTASSIUM PERMANGANATE in an earthenware or enamel vessel having a volume about 10 times the amount of material used. Place the vessel about 3 feet above the floor in the middle compartment of the incubator.

Pour the FORMALDEHYDE over the POTASSIUM PERMANGANATE. Get out immediately and close the door, as formaldehyde gas is liberated at once. Keep the doors closed for 10 minutes to allow the gas to penetrate to all parts of the machine.

**FOR FUMIGATION OF BABY CHICKS:** Fumigate a second time when 50% to 75% of the chicks are hatched, before the chicks dry.

Use same amounts of chemicals and same procedure as indicated above, but permit the gas to remain in the hatcher for only 3 minutes. When 3 minutes have elapsed, the formaldehyde gas can be quickly neutralized by throwing onto the hatcher floor an amount of AMMONIA WATER 28% equal to one-half the amount of FORMALDEHYDE used. (Do not use ordinary household ammonia which is too weak.)

### Storage & Disposal

Store in original container in a safe place. Do not store, pour or use near heat or open flame. Do not reuse container. Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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EPA Reg. No. 6035-47

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

To be effective, Formaldehyde fumigation should not be used in temperature below 60°F and the relative humidity should be high.

### Precautionary Statements

#### Hazards to Humans and Domestic Animals:

**Danger** - Causes irritation of skin, eyes, nose and throat. Do not breathe vapor. Avoid contact with skin, eyes or clothing.

#### Statement of Practical Treatment:

**If formaldehyde gas is inhaled:** Remove patient to fresh air immediately. At first sign of difficulty in breathing, start artificial respiration; oxygen should be administered only by trained personnel. Continue artificial respiration until advised by physician to stop.

**If formaldehyde is taken internally: Practical Treatment** - Call a physician or Poison Control Center. Give large quantities of milk and raw eggs, and induce vomiting by touching back of throat with finger. **Alternate Antidote:** Give dilute ammonia solution consisting of 1 part aromatic spirits of ammonia with 10 parts of water. Follow in a few minutes with milk. Do not induce vomiting or give anything by mouth to an unconscious person.

**In case of contact:** Flush with plenty of water; for eyes, get medical treatment.

#### Physical and Chemical Hazards:

Areas covered by spillage should be flushed with water.

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