**PRECAUTIONARY STATEMENTS**

**DANGER**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**
CORROSIVE, CAUSES EYE DAMAGE AND SKIN IRRITATION. METHANOL MAY CAUSE BLINDNESS. HARMFUL OR FATAL IF SWALLOWED. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID CONTAMINATION OF FOOD. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE RE-USE. VAPORS HARMFUL AVOID BREATHING SPRAY, MIST OR VAPORS. WEAR A NIOSH/MSHA RESPIRATOR APPROVED FOR FORMALDEHYDE EXPOSURE, CHEMICAL RESISTANT BOOTS OR SHOE COVERS, CHEMICAL RESISTANT GLOVES AND GOOGLES (IF A FULL FACE RESPIRATOR IS NOT USED) WHEN HANDLING. FORMALDEHYDE IS A PRIMARY SKIN SENSITIZING AGENT WHICH MAY CAUSE ALLERGIC CONTACT DERMATITIS. INHALATION STUDIES IN TEST ANIMALS HAVE PRODUCED AN EXCESS OF TUMORS. USERS SHOULD CONSIDER THE POSSIBILITY THAT OVEREXPOSURE TO THE ACTIVE INGREDIENT MAY POSE A CANCER RISK. FORMALDEHYDE IS CONSIDERED AN OCCUPATIONAL CARCINOGEN BY OSHA AND USERS SHOULD BE AWARE OF THE OCCUPATIONAL EXPOSURE STANDARD PEL (PERMISSIBLE EXPOSURE LIMIT) OF 0.75 PPM.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. DO NOT discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. DO NOT discharge effluent containing this product into sewer systems previously notified by the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flames.

- **IN CASE OF FIRE:** Use CO2 or dry chemical for small fires, alcohol type aqueous film forming foam or water spray for large fires. Use water spray to cool exposed containers. Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to vapors or products of combustion exists.

- **IN CASE OF SPILL:** Clean up immediately. Place leaking containers in well ventilated area. Eliminate ignition sources. To clean up spills, flush area sparingly with water or use absorbent. Avoid run-off to storm sewers and ditches leading to natural waterways. Neutralize with ammonium hydroxide or sodium hydroxide. DO not allow access to treated areas by any person unless provided with a respirator approved by NIOSH/MSHA for formaldehyde exposure unless the formaldehyde vapor level has been determined to be below 0.75 PPM. Warnings signs may be removed only after the vapor level drops below 0.75 PPM as determined by an OSHA approved method used in accordance with the manufacturer's instructions.

- **MONITORING OF PERSONNEL:** In accordance with FORMALDEHYDE regulation 29 CFR Section 1910.1048, all personnel who transport, pour, apply and clean-up FORMALDEHYDE must monitor FORMALDEHYDE in order to insure workplace safety.

- **FORMALDEHYDE LEVELS:** The FORMALDEHYDE vapor level must be measured to be below 0.75 ppm. PEL (8 hour) monitor that meets the NIOSH method 3500, following the manufacturer's instructions. All personnel that transport, pour, apply and clean up FORMALDEHYDE must monitor peak exposure to FORMALDEHYDE at below 2.0 ppm with a STEL (15 minute) monitor that meets NIOSH method 3500, in accordance with the manufacturer's directions. PEL monitors are to be worn throughout the workshift. STEL monitors are to be worn for 15 minutes during the time of potential peak exposure.

**BUFFER ZONES**

Establish a worker buffer zone of 25 feet and a residential buffer zone extending from and surrounding the treated building during treatment and aeration. Determine the residential buffer zone based on the volume (cubic feet) of the structure being fumigated using a range of less than 100,000 cu. ft. requiring a buffer zone of 150 ft, to a zone of 1100 ft. for buildings of 1,000,000 cu. ft. Buffer zone tables are available from the distributor. If aeration is conducted with mechanical exhaust ventilation, maintain buffer zones for 24 hours. Access to the area within the worker buffer zone is acceptable for other employees and others that are not residing within the residential buffer zone. Keep all others from entering these zones while in place.

**KEEP OUT OF REACH OF CHILDREN**

DANGER/PELIGRO

POISON

IF YOU DO NOT UNDERSTAND THE LABEL, FIND SOMEONE TO EXPLAIN IT TO YOU IN DETAIL.

**FIRST AID**

**IF INHALED:**
- Move victim to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

**IF IN EYES:**
- Hold eyes open. Rinse slowly with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:**
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:**
- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage.

See left side panel for additional precautionary statements.

---

**TRIEST MICROBIOCIDES**

**FOR USE IN HATCHERIES AS A FUMIGANT, FOR USE IN POULTRY AND SWINE CONFINEMENT BUILDINGS, MUSHROOM HOUSES, CITRUS FACILITIES, AND FOR USE IN DISINFECTING AND FUMIGATING ROOMS AND RAILROAD CARS.**

Active Ingredient:
Formaldehyde.............................................. 37.0%

Other Ingredients:....................................... 63.0%

TOTAL:.................................................... 100.0%

Distributed By:
TriEst Ag Group, Inc.
1101 Industrial Boulevard • Greenville • NC • 27834

September 10, 2012

EPA Reg. No. 71021-2-87994
EPA Est. 87994-NC-3

Net Contents: 1 Gallon (128 FL OZ - 3.79 L)

---

**AGRICULTURAL WORKER SAFETY USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements in this labeling about personal protective equipment, restricted-entry intervals, and notification to workers. These requirements only apply to uses of this product that are covered by the Worker Protection Standard (WPS). Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the Agency responsible for Pesticide Regulation.

**Notification Requirements:** Follow the applicable entry restrictions listed elsewhere on the product labeling.

**Notification Instructions:** Follow the rules in the WPS for notifying workers of the application.

**Exception:** If there are instructions elsewhere on the product labeling that requires the posting of specific signs at treated areas, you must notify workers of the application by warning them orally and by posting the signs specified on the labeling.

**PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIREMENTS**

**Handler PPE – Applicators and other handlers must wear:**
- Air purifying full-face respirator with formaldehyde cartridges if in area being treated
- Coveralls over long-sleeved shirt & long pants
- Chemical resistant gloves such as barrier laminate or vitron
- Chemical resistant footwear plus socks
- Protective eyewear and chemical resistant headgear for overhead exposure
- Chemical resistant apron when cleaning equipment, mixing or loading

**Early Entry PPE required for early entry to treated areas that is permitted under Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water:**
- Air purifying full-face respirator with formaldehyde cartridges
- Coveralls over long-sleeved shirt & long pants
- Chemical resistant gloves such as barrier laminate or vitron
- Chemical resistant footwear plus socks
- Protective eyewear and chemical resistant headgear for overhead exposure

**Conflicting Instructions:** If the requirements of the WPS conflict with instructions listed elsewhere on this product label, users must obey the more protective requirements.

---

**STORAGE AND DISPOSAL**

**STORAGE:** Do not contaminate water, food, or feed by storage or disposal. Should be stored apart from other substances: acids or oxidizing agents. Storage facilities should be non-combustible. Keep away from lights, fire and sparks. Keep closure up to prevent leaking. Make certain closure is securely closed before moving. Keep container closed. Loose closure carefully. Keep out of sun and away from heat. Store in a cool place. Never use pressure to close. Keep Ground container before emptying. Always handle in upright position. Never roll a container. Never add other material to container.

**PESTICIDE DISPOSAL:** Do not contaminate water, food, or feed by disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide spray mixture or rinseate is a violation of Federal law. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or Hazard Waste representative at nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ½ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Repeat this procedure two more times. After this container has been emptied, it may contain explosive vapors. Keep away from heat, sparks, and flames. If rinseate cannot be used, follow pesticide disposal instructions. If triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations. When used for recycling or disposal in a sanitary landfill, or by other processors approved by state and local authorities. Do not cut, puncture, or weld on or near this container when empty.

**SPILL CLEAN-UP REQUIREMENTS:** Should a spill occur, contaminated soil and other clean-up debris is a hazardous waste. If a reportable quantity is exceeded, report spill/leak to the National Response Center (800-424-8802). Reportable quantity (RQ) for formaldehyde is 100 pounds.
FUMIGATION OF Poultry & SWINE ConfineMENT buildings

TrieSt MicroBiocide can only be applied to unoccupied poultry and swine confinement buildings by either spray sled method or fixed sprayer method. No workers are permitted in the building during the application. All application methods must be carried out and controlled from the outside area being fumigated.

For PouLTRY or SWINE ConfineMENT BuildIng:

Remove all poultry or swine and feed from premises to assure adequate surface coverage. Remove all portable equipment. Remove all bedding, manure and debris. Clean all appropriate surfaces. Empty all water troughs and feed racks. Clean rinses all surfaces with water. Sanitize with a suitable and approved sanitizing solution.

Secure: Post warning signs on confinement building prior to start of fumigation. Post signs in plainly visible locations or in immediate vicinity of all entries. Do not remove signs until fumigation, ventilation and final testing has been completed, and building is safe for reentry.

Note: Post signs indicating that pesticides have been applied in the building and do not enter the treated building. Special signs may be removed, when sufficient operation has occurred to reduce formaldehyde vapor level to below 0.75 ppm, as determined by an OSHA-approved method used in accordance with manufacturer’s instructions.

FUMIGATION OF MUSHROOM HOUSES

This product may be used in the disinfection of mushroom houses, tools and equipment. TRIEST MICROBIOCIDE must be used only to be applied on unoccupied mushroom houses by the method following on this label. No workers are permitted in the treated building during treatment. All application methods must be carried out and controlled from the outside area being fumigated. Do not allow access into treated areas by any person unless fumigation, ventilation, and final testing has been completed, and building is safe for reentry. The product shall also depict a skull and crossbones not less than one inch in height and shall state in letters not less than one-half inch in height, "DANGER - FUMIGATION". They shall also depict a skull and crossbones not less than one inch in height and shall state in letters not less than one-half inch in height, "FUMIGATION PROHIBITED". The product shall also state the date and time fumigant was introduced, and name, address and telephone number of the applicator performing the fumigation.

Treated mushroom houses must be present during the introduction of formaldehyde and, after 24-hour treatment period, if entry is necessary into treated confinement building for purposes of facilitating aeration.

Note: Wear Full Protective Clothing and Full-Face Respirator When Using Formaldehyde.

APPLICATION:

1. Tools and Equipment: Wash thoroughly with water to remove debris, then, dip with a solution made by mixing one part TRIEST MICROBIOCIDE with four parts water. Securely attach one half-inch in height "FUMIGATION" and, date and time fumigant was introduced, and name, address and telephone number of the applicator performing the fumigation. Treated Mushroom Houses must be present during the introduction of formaldehyde and, after 24-hour treatment period, if entry is necessary into treated confinement building for purposes of facilitating aeration.

Treated Mushroom Houses:

2. Non-producing areas—corridors, packing sheds, empty growing sheds, etc.
   A. Empty mushroom house of all growing media. Sweep out thoroughly.
   B. Wet out growing boards.

3. Close up house, sealing as appropriate, to avoid formaldehyde fume seepage.

4. Inject TRIEST MICROBIOCIDE into steam intake 10°F to 15°F above internal temperature for 4 hours. (75°C). Room temperature at 80°F (21°C) or higher. Following treatment, rooms are opened to outside air for thorough ventilation and after testing, and proper dispersion of formaldehyde. Each fogger manifold uses about 40 cubic feet of air to be moved to the fumigation site while avoiding loss of fluids. Adequate air pressure is necessary to obtain proper dispersion of the formaldehyde.

Each spray manifold must use about 40 cubic feet of air per minute at 80 to 100 p.s.i. After testing, dumping water and replace with diluted TRIEST MICROBIOCIDE. A closed, moist spray pump moving at a rate of 20 to 40 gallons per minute, can be used for proper dispersion of formaldehyde. Each fogger manifold uses about 40 cubic feet of air free per minute at 80 to 100 p.s.i.

Posting: Post warning signs on mushroom houses prior to start of fumigation. Post signs in plainly visible locations or in immediate vicinity of all entries. Do not remove signs until fumigation, ventilation and final testing has been completed, and building is safe for reentry. Special signs may be removed, when sufficient operation has occurred to reduce formaldehyde vapor level to below 0.75 ppm, as determined by a direct reading device, approved by OSHA and used in accordance with manufacturer’s instructions.

TREATMENT AND AERATION OF TREATED Mushroom Houses:

For use in mushroom houses including storage, degreening and pre-cooling rooms for effectiveness, relative humidity should be at least 70% and temperature at least 70°F (21°C) or higher. Following treatment, rooms are opened to outside air for thorough ventilation and after testing, and proper dispersion of formaldehyde. Each fogger manifold uses about 40 cubic feet of air to be moved to the fumigation site while avoiding loss of fluids. Adequate air pressure is necessary to obtain proper dispersion of the formaldehyde.