

accepted stamp  
on pg 6 of 10

62531-2

01/24/2002

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
62531-2

Date of Issuance:  
JAN 24 2002

Term of Issuance: Conditional

NOTICE OF PESTICIDE:  
 X  Registration

     Reregistration  
(under FIFRA, as amended)

Name of Pesticide Product:  
Ashta Gold

Name and Address of Registrant (include ZIP Code):

Ashta Chemicals  
3509 Middle Road  
Ashtabula, OH 44005

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA Sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA Sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following labeling changes before you release the product for shipment:
  - a. Add the phrase "EPA Registration Number 62531-2".
  - b. On page 3, delete the "NOTE TO PHYSICIAN" located after the "USER SAFETY RECOMMENDATIONS."
  - c. AGRICULTURAL USE REQUIREMENTS box must appear after the second paragraph under the header "DIRECTIONS FOR USE" on page 4.
  - d. On page 4, in the "STORAGE AND DISPOSAL" box, under "STORAGE AND HANDLING," move the third sentence "Do not contaminate water, . . .," so that it appears immediately below the header "STORAGE AND DISPOSAL."
  - e. On page 6, change the last sentence of the "Application" paragraph to read "Refer to Table I . . ."

Signature of Approving Official:

Mary L. Waller, Product Manager (21)  
Fungicide Branch, Registration Division

Date:

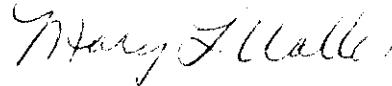
JAN 24 2002

Page 2 of Registration Notice for EPA Registration Number 62531-2

- f. On page 7, change the fourth sentence of the "II. DIRECTIONS FOR TREATMENT . . ." section to read "Refer to Table II . . ."
- 3. Submit one copy of your final printed label before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Sincerely,



Mary L. Waller  
Product Manager 21  
Fungicide Branch  
Registration Division

Enclosure

**RESTRICTED USE PESTICIDE  
DUE TO ACUTE TOXICITY**  
For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

# ASHTA GOLD FUMIGANT

**ACTIVE INGREDIENTS:**

**Chloropicrin** ..... 99.3%  
**Inert Ingredients**..... 0.7%  
**Total**..... 100.0%  
**This Product Weighs**.....14.15 lbs. Per Gallon

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**



**POISON**



**PELIGRO**

**Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).**

**FIRST AID**

**IN ALL CASES OF OVEREXPOSURE GET MEDICAL ATTENTION IMMEDIATELY. TAKE PERSON TO A DOCTOR OR AN EMERGENCY TREATMENT FACILITY.**

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

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

**IF IN EYES:** Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. 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 THE PHYSICIAN:** Chloropicrin is a volatile liquid that is the active ingredient in tear gas. As a gas it is a powerful lachrymator. Early symptoms of overexposure are lachrymation, respiratory distress, and vomiting. Pulmonary edema may develop later. Treatment is symptomatic.

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

NET WEIGHT:           LBS.  
LOT NO.:

EPA REG. NO.  
EPA EST. NO.

**ASHTA CHEMICALS  
3509 MIDDLE ROAD, P.O. BOX 858  
ASHTABULA, OH 44005**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMAN AND DOMESTIC ANIMALS**

**DANGER**

Poisonous liquid and vapor. Inhalation of vapors may be fatal. Chloropicrin is readily identifiable by smell. Exposure to very low concentrations of vapor will cause irritation of eyes, nose, and throat. Continued exposure after irritation, or higher concentrations may cause painful irritation to the eyes or temporary blindness. Liquid will cause chemical burns to skin or eyes. Do not get on skin, in eyes, or on clothing. Harmful or fatal if swallowed.

**AIR CONCENTRATION LEVEL**

The acceptable air concentration level for persons exposed to chloropicrin is **0.1 ppm (0.7 mg/m<sup>3</sup>)**. If the air concentration level exceeds **0.1 ppm**, an air purifying respirator must be worn. If the air concentration level exceeds **4 ppm**, an air-supplying respirator must be worn. The air concentration level is measured by a direct reading detection device, such as a Matheson-Kitagawa.

**PERSONAL PROTECTIVE EQUIPMENT**

**Applicators and other handlers must wear:**

- Loose-fitting or well ventilated long-sleeved shirt and long pants.
- Shoes and socks.
- Full-face shield or safety glasses with brow and temple shields (Do NOT wear goggles).

When the acceptable air concentration level is above **0.1 ppm** and a respirator is required, protect the eyes by wearing a full-face respirator.

No respirator is required if the air concentration level of chloropicrin in the working area is measured to be less than **0.1 ppm**.

A respirator is required under the following circumstances:

**--if the air concentration level exceeds 0.1 ppm** at any time, applicators and other handlers must wear (a) a respirator with an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), (b) a respirator with a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or (c) a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.

**--if the air concentration level exceeds 4 ppm** at any time, applicators and other handlers must wear (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) OR (b) a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TC-13F).

**WORK SAFETY REQUIREMENTS**

1. Do not wear jewelry, gloves, goggles, tight clothing, rubber protective clothing, or rubber boots when handling. Chloropicrin is heavier than air and can be trapped inside clothing and cause skin injury.

2. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.
3. Clean PPE after each day's use. Immediately after contamination remove outer clothing, shoes, and socks and do not reuse until thoroughly aerated or ventilated. Keep such clothing and shoes outdoors until thoroughly aerated. Then follow the PPE manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE and work clothing separately from other laundry.
4. Follow PPE manufacturer's instructions for cleaning/maintaining protective eyewear, face shields and respirators.

### USER SAFETY RECOMMENDATIONS

#### Users should:

- \* Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- \* Remove clothing immediately if pesticide gets inside, then wash thoroughly and put on clean clothing.
- \* Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

NOTE TO PHYSICIAN. Chloropicrin is a volatile liquid that is the active ingredient in tear gas. As a gas it is a powerful lachrymator. Early symptoms of overexposure are lachrymation, respiratory distress and vomiting. Pulmonary edema may develop later. Treatment is symptomatic.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Do not allow ASHTA GOLD into contact with any desirable living plants. Avoid spilling, dripping or otherwise contacting ASHTA GOLD with crops in adjacent fields as plant injury may result. Do not apply ASHTA GOLD when there is little or no air movement or during air inversion conditions.

### PHYSICAL OR CHEMICAL HAZARDS

ASHTA GOLD may be corrosive under certain conditions. DO NOT USE WATER to clean equipment. Flush equipment with kerosene or fuel oil. Do not use handling equipment or containers made from magnesium, aluminum, or alkali metals. ASHTA GOLD is a nonflammable liquid.

## DIRECTIONS FOR USE

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

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.

ASHTA GOLD is a highly hazardous material and must be used only by persons trained in its proper use. Before using, read and follow all label precautions and directions.

All persons working with this fumigant must be trained in the hazards, use of required respirator equipment and detector equipment, emergency procedures, and proper use of the fumigant.

When used for fumigation of empty potato storages or empty grain bins, two person trained in the use of this product must be present at all times during introduction of the fumigant, testing and aeration periods.

### STORAGE AND DISPOSAL

**Storage and Handling.** Store upright in a cool, dry, well-ventilated locked area. Post as a pesticide storage area. Do not contaminate water, food, or feed by storage or disposal. Persons moving, handling, or opening containers must wear the personal protective equipment (including prescribed respirator) specified in the Hazards to Humans section of this labeling. Open container only in a well-ventilated area.

**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. Return empty cylinders freight collect to the Ashta Chemicals location from which shipment was made. Close cylinder valve by turning clockwise until hand tight. Disconnect lines. Replace safety caps and bonnet. Return partial cylinders only after consulting Ashta Chemicals for proper shipping instructions.

**SPILL AND LEAK PROCEDURES.** Evacuate everyone from the immediate area of the spill or leak. For entry into affected area to correct problem, wear the personal protective equipment (including prescribed respirator) specified in the Hazards to Humans section of this labeling. Move leaking or damaged containers outdoors or to an isolated location. Observe strict safety precautions. Work upwind, if possible. Allow spilled fumigant to evaporate or to absorb onto vermiculite, dry sand, earth, or similar absorbent material. Such material should be disposed of on site or at an approved disposal facility. Only, correctly trained and PPE-equipped handlers are permitted to perform such cleanup. Do not permit entry into the spill or leak area by any other person until the concentration of chloropicrin is measured to be less than 0.1 ppm.

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
JAN 24 2002**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.

### PLACARDING OF FUMIGATED AREAS

The applicator (or supervisor of the application) must placard all entrances to the fumigated area with signs bearing:

- \* skull and crossbones symbol
- \* "DANGER/PELIGRO"
- \* "Area under fumigation, DO NOT ENTER/NO ENTRE"
- \* "Chloropicrin Fumigant in use"
- \* the date and time of fumigation, and
- \* name, address, and telephone number of the applicator.

Do not allow entry by unprotected persons into the fumigated area until the signs are removed. Such signs must only be removed with the air concentration level of chloropicrin is measured to be less than **0.1 ppm**. Signs must remain legible during the entire posting period.

Only a certified applicator (or someone under his/her supervision) may remove warning signs at entrances to fumigated structures.

#### AGRICULTURAL 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 specific instruction 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).

**No instructions elsewhere on this labeling relieve users from complying with the requirements of the WPS.**

#### ENTRY RESTRICTIONS:

**Outdoor Soil Fumigation:** Entry (including early entry that would otherwise be permitted under the WPS) by any person – other than a correctly trained and equipped handler who is performing a handling task permitted on this labeling – is **PROHIBITED** from the start of application until 48 hours after application. **In addition**, if tarps are used for the application, non-handler entry is prohibited while tarps are being removed.

**NOTIFICATION:** Notify workers of the application by warning them orally and by posting fumigant warning signs, as described in the "Placarding of Fumigated Areas" section of this labeling. Post the fumigant warning sign instead of the WPS sign for this application, but follow all WPS requirements pertaining to location, legibility, size and timing of posting and removal.

**Outdoor Soil Fumigation:** Post the fumigant warning signs at entrances to treated areas.

#### PPE FOR ENTRY DURING THE ENTRY-RESTRICTED PERIOD:

PPE for entry that is permitted by this labeling is listed in the "Hazards to Humans and Domestic Animals" section of this labeling.

## I. SOIL FUMIGATION

ASHTA Gold may be used as a preplant soil fumigant for control of many economic soilborne pests if present in soil at time of treatment. Soil fumigation with ASHTA Gold provides control or suppression of plant-parasitic disease causing organisms including nematodes, the bacterial pathogen Pseudomonas solanacearum, fungi in the genera Cylindrocladium, Fusarium, Phytophthora, Pyrenochaeta, Pythium, Rhizoctonia, Sclerotinia, Sclerotium, and Verticillium, the clubroot organism Plasmodiophora, and soil pox organism Actinomyces ipomoea. Control of certain soil-infesting insects such as cutworms, grubs and wireworms may also be obtained as well as suppression of weeds if used with a tarpaulin.

Keep pets, livestock, and other domestic animals out of the treated area during application, during the exposure period as specified for applications in Directions for Use, and during removal of tarpaulin, if used.

WHEN TO TREAT: Fumigate with ASHTA GOLD at least 14 days prior to planting whenever soil conditions are suitable. For best results, soil should be tilled to a fine, loose condition with soil temperature at depth of application between 60°F. and 85°F. Do not fumigate when soil temperature is below 50°F. Soil should contain adequate moisture to support good seed germination. Fall treatment is suggested for fields that will be planted too early to allow for adequate soil temperatures.

SOIL PREPARATION: For best fumigant penetration and soil sealing, plant remains should be worked into the soil long enough before treatment to allow for maximum decomposition. Deep tillage (e.g. 12 to 18 inches) often improves results. Till the soil to a very fine condition, leaving as few clods as possible. Optimum seedbed moisture is an essential factor for effective fumigation. Do not fumigate dry soil.

Application: For field application as an overall treatment, inject ASHTA GOLD with a chisel type applicator having chisels spaced no more than 12 inches apart and injecting the fumigant 6 – 8 inches below the soil surface. To seal in fumigant after application, cover treated area with a plastic tarp. Alternate sealing methods include the use of a drag, cultipacker, roller or float to firm the soil surface immediately behind chisels, or the application of water to wet the surface of soil 1 inch deep. For application as a row or bed treatment in the field, ASHTA GOLD should be applied using one chisel shank per row to inject fumigant 6 – 8 inches below the original soil surface and sealed by listing a high, wide bed over the row of firming the bedded area with a bed-shaper. Fumigation of small areas or volumes of soil, potting mix or mushroom casing may be made by applying ASHTA Gold with a probe type point-injection device to a 6 – 8 inch depth in a grid pattern with injection points on a 12-inch spacing. For all applications involving the use of a plastic tarpaulin, remove the tarp after 24 – 48 hours of exposure. Refer to Table II for dosage rates for specific crops.

Do not apply through any type of irrigation system.



**TABLE I**

**ASHTA GOLD SOIL FUMIGATION USES**

Field soils to be planted to:	Lbs. per acre overall <sup>a</sup> non-tarp <sup>b</sup>	Special small areas or volumes of:	cc/cu. ft. or sq. ft.
Cucumbers, eggplant, melons	300-500	Mushroom casing	5-10/cu.ft.
Onions	200-400	Potting mix	3-4/sq. ft.
Sweet potatoes	150-400	Seed bed	3-6/sq. ft.
Tobacco	150-500		
All Other Crops	150-500		

<sup>a</sup>Row or bed applications are made at the overall rate, but amount used is proportionately less per acre depending on the row spacing and width of treatment in the row or bed.

<sup>b</sup>If treated area is covered with a plastic tarp immediately after application, reduce dosage by 33%.

**WHEN TO PLANT:** The soil should not be disturbed for 14 days following treatment. Do not plant seeds or transplants until the fumigant odor has left the soil. Cool or wet weather following treatment will retard diffusion of the fumigant, requiring a longer exposure, and aeration period. Should these conditions occur, hasten aeration after 14 days by working the bed to the depth of injection, taking care to avoid reinfestation of the fumigated zone with contaminated equipment and untreated soil.

**II. DIRECTIONS FOR TREATMENT OF STANDING DOUGLAS FIR UTILITY POLES, LAND PILINGS, AND SIMILAR TIMBERS TO CONTROL INTERNAL DECAY**

**Not for Use in the State of California**

Drill a minimum of four treatment holes of 3/4" diameter spaced evenly around the wood pole. The holes should be approximately at a 45° downward angle and deep enough to reach the center of the pole. The first hole should be near the groundline and each succeeding hole drilled 6-12 inches higher. Distribute the total amount of fumigant equally among the holes. Refer to TABLE III for the appropriate amount of fumigant. Wear appropriate respiratory protection or use application equipment that will prevent worker exposure to fumigant liquid or vapor. Seal treatment holes by plugging with treated wood plugs.

**TABLE II**

**ASHTA GOLD DOSAGE RATE TABLE FOR DOUGLAS FIR UTILITY POLES, LAND PILINGS AND SIMILAR TIMBERS**

**Not for Use in The State of California**

DIAMETER (Inches)	8	12	16	20	24	28	30	36	40
Fluid Ounces	3	7	12	19	30	43	59	78	102

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Seller warrants that this product complies with the specifications expressed in this label. SELLER MAKES NO OTHER WARRANTIES; AND DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE INTENDED PURPOSE. Seller's liability for default, breach, or failure under this label shall be limited to the amount of the purchase price. Seller shall have no liability for consequential damages.

ADDITIONAL "STORAGE AND DISPOSAL" STATEMENTS  
(to be used on plastic containers)

STORAGE AND HANDLING. Store upright in a cool, dry, well-ventilated locked area. Post as a pesticide storage area. Do not contaminate water, food, or feed by storage and disposal. Persons moving, handling, or opening containers must wear the personal protective equipment (including prescribed respirator) specified in the Hazards to Humans section of this labeling. Open container only in a well-ventilated area.

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.