

Reg # 3125-413

PM-22

LABELING FOR PRODUCT IN WATER SOLUBLE PACKETS

12/12

318-7648.YLD

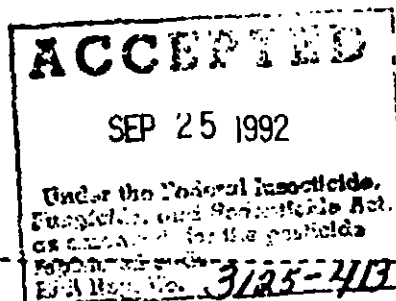
Base Pre-Reg. (7648)

U.S. LABEL

Reason to Issue: To propose use on Bermuda grass decline; propose use on cedar trees for Didymascella thujina control; to add rate for Melampsora spp. control; to revise corporate designation; delete ® and trademark acknowledgement statement.

Date of Draft: 9/03/92 (Pre-Reg) (S)

EPA Reg. No. 3125-413



BAYLETC™

**25 TURF AND ORNAMENTAL FUNGICIDE
SYSTEMIC FUNGICIDE
IN WATER SOLUBLE PACKETS**

**FOR CONTROL OF CERTAIN DISEASES ON FLOWERS, FOLIAGE PLANTS, SHRUBS,
TURF AND SHADE TREES**

ACTIVE INGREDIENT:

1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H
-1,2,4-triazol-1-yl)-2-butanone 25%

INERT INGREDIENTS 75%
100%

KEEP WATER SOLUBLE PACKETS IN THIS
CONTAINER AND STORE IN A COOL PLACE
BUT NOT BELOW FREEZING (32 F)

U.S. Patent No. 3,912,752

EPA Reg. No. 3125-413

EPA Est. 3125-MO-1

STOP - READ THE LABEL BEFORE USE

KEEP OUT OF THE REACH OF CHILDREN

CAUTION

See Rear Panel for Statements of Practical Treatment
and Other Precautionary Statements

SELL IN ORIGINAL PACKAGES ONLY
CONTAINS FOUR 11 OUNCE WATER SOLUBLE PACKETS
TOTAL NET CONTENTS 2-3/4 POUNDS

Miles, Inc.
Specialty Products
Box 4913, Kansas City, MO 64120

Note: Underlined letters in chemical nomenclature should be italicized when printed,
not underlined.

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PRECAUTION STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Exposure to the product can cause eye irritation. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing dust. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

STATEMENTS OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center. Vomiting should be induced. Administer water freely and induce vomiting by giving one dose (1/2 oz or 15 ml) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person. Professional medical assistance should be secured immediately.

If in eyes: Flush with plenty of water. Call a physician if irritation persists.

If on skin: Wash with plenty of soap and water. Get medical attention.

SYMPTOMS OF POISONING: The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by hyperactivity followed by sedation.

NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

Do not make applications when weather conditions favor drift from target area.

AVISO:

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

DIRECTIONS FOR USE

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

IMPORTANT: Read these entire Directions and Conditions of Sale before using BAYLETON 25 Turf and Ornamental Fungicide systemic fungicide.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE APPROPRIATE FOR THE CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED UNDER DIFFERENT ENVIRONMENTAL CONDITIONS BOTH INDOORS AND OUTDOORS UNDER CONDITIONS SIMILAR TO THOSE THAT ARE ORDINARY AND CUSTOMARY WHERE THE PRODUCT IS TO BE USED. INSUFFICIENT CONTROL OF PESTS OR PLANT INJURY MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL CONDITIONS, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO ANIMALS, MAN, AND DAMAGE TO THE ENVIRONMENT. MILES OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL ENVIRONMENTAL CONDITIONS, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MILES AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

APPLICATION:

BAYLETON fungicide is absorbed rapidly and works systemically from within the plant. Good coverage and wetting of the foliage is necessary. Rainfall or sprinkler irrigation, within 1/2 hour after application does not decrease effectiveness. Control may be less effective on plants suffering from drought stress. Therefore, in order to achieve maximum control, plants should be maintained in a vigorously growing state through good cultural practices.

In all cases apply when plants are fully established and actively growing. Applications should be made at recommended intervals to maintain disease control.

Do not use on crops grown for food or forage.

MIXING: The enclosed packets containing BAYLETON 25 Turf and Ornamental Fungicide are water soluble. Do not allow packets to become wet prior to adding to the spray tank. Do not handle with wet hands. Reseal outer carton to protect remaining packets.

To prepare the spray mixture, drop the required number of unopened packets, as determined under "Recommended Applications", into the spray tank while filling the water to the desired level. Operate the agitator while mixing. Depending on the water temperature and the degree of agitation, the packets should be completely dissolved within a few minutes from the time they were added to the water.

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USE IN CHEMIGATION SYSTEMS ON TURF ONLY:

Apply BAYLETON 25 Turf and Ornamental Fungicide only through solid set irrigation systems. Do not apply this product through any other type of irrigation system.

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back towards the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump water stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where the pesticide distribution is adversely affected.

Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the areas intended for treatment.

Turf injury or lack of effectiveness can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Pre-mix the required amount of BAYLETON 25 Turf and Ornamental Fungicide, as determined under "Recommended Applications", in sufficient water to uniformly inject the entire mixture during the last 5 minutes of the irrigation cycle using a positive pressure pumping system. Continuous agitation of the mixture in the holding tank is required to maintain suspension of the product. The injection must occur during the last 5 minutes of the irrigation cycle.

RECOMMENDED APPLICATIONS TURF GRASS DISEASE CONTROL			
DISEASE	OZS OF BAYLETON 25 TURF AND ORNAMENTAL PER 1,000 SQUARE FOOT*		REMARKS
Dollar Spot (<u>Sclerotinia homoeocarpa</u>)	<u>Preventive</u> 1	<u>Curative</u> -	<u>PREVENTIVE RATE:</u> Apply recommended rate at 30-day intervals. Protective activity of BAYLETON may extend for as long as 70 days, depending upon environmental conditions.
	-	2	<u>CURATIVE RATE:</u> To control existing infections, apply the curative rate. Subsequent applications should be applied on a preventive schedule and rate.
Copper Spot (<u>Gloeocercospora sorghi</u>) Powdery Mildew (<u>Erysiphe graminis</u>) Corticium Red Thread (<u>Laetisaria fuciformis</u>) Rusts (<u>Puccinia spp.</u>) Brown Patch/ Rhizoctonia Blight (<u>Rhizoctonia solani</u>) (Suppression)	1	2	<u>PREVENTIVE RATE:</u> Apply at 15- to 30-day intervals. When environmental conditions favor light to moderate disease development, use a longer interval. Protective activity of BAYLETON can be greater than 30 days depending on environmental conditions. <u>CURATIVE RATE:</u> To control existing infections, apply the curative rate. Subsequent applications should be applied on a preventive schedule and rate.
	2	-	<u>PREVENTIVE RATE:</u> Apply at 30-day intervals and repeat as necessary for seasonal control. Depending upon environmental conditions, residual control may be extended to 45 days.
Anthracnose (<u>Colletotrichum graminicola</u>)	-	2	<u>CURATIVE RATE:</u> To control existing infections, apply the curative rate. Subsequent applications should be applied on a preventive schedule and rate.

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RECOMMENDED APPLICATIONS TURF GRASS DISEASE CONTROL (Continued)			
DISEASE	OZS OF BAYLETON 25 TURF AND ORNAMENTAL PER 1,000 SQ FT*		REMARKS
Southern Blight (<u>Sclerotium</u> <u>rolfsii</u>)	<u>Preventive</u> 1 to 4	<u>Curative</u> 4	<u>PREVENTIVE:</u> Begin applications prior to the appearance of disease symptoms. Depending on anticipated disease severity, apply 2 to 4 oz rates at 14-day intervals for the initial 2 to 3 treatments. Apply subsequent treatments of 1 to 2 oz at 14 to 28 day intervals. <u>CURATIVE:</u> To control existing infections, apply 4 oz at 14 day intervals for the initial 2 to 3 treatments followed by 1 to 2 oz at 14-to 28-day intervals.
Stripe Smut (<u>Ustilago</u> <u>striiformis</u>)	<u>Preventive Rates Only</u> 2		Make the first application in the spring just before the turf breaks dormancy, followed by a second application just prior to the summer heat stress period and a third application when the cool nighttime temperatures of the late summer or early fall return.
Fusarium Blight (<u>Fusarium culmorum</u>) (<u>Fusarium poae</u>) Summer Patch (<u>Magnaporthe poae</u>)	2 to 4		Apply first application in the Spring, 30 to 60 days before initial symptoms normally appear. Repeat applications at 30-day intervals as needed.

RECOMMENDED APPLICATIONS
TURF GRASS DISEASE CONTROL (Continued)

DISEASE	OZS OF BAYLETON 25% TURF AND ORNAMENTAL PER 1,000 SQ FT*	REMARKS
<u>Gaeumannomyces</u> <u>graminis</u> var. <u>graminis</u> (Such as Bermuda- grass decline, take all patch on centipede grass)	<u>Preventive</u> <u>Curative</u> 2 4	<p>Immediately after the fungicide is applied, the area should be thoroughly irrigated to move the active ingredient down into the crown and root zone of the turf. The amount of water is dependent on the depth of the root zone. The objective is to water the fungicide into the crown and root zone.</p> <p><u>PREVENTIVE RATE:</u> Begin applications 2 to 4 weeks prior to the appearance of disease symptoms. Initiate cultural control practices at the same time the fungicide is applied. Refer to your local County Extension Service for this information. Apply subsequent applications at 21 to 28 day intervals.</p> <p><u>CURATIVE RATE:</u> To control existing infections, apply 4 oz at 14 to 21 day intervals for the initial 1 or 2 treatments followed by 2 oz at 21 to 28 day intervals. Cultural control practices such as aerification, topdressing, reseeding, and fertilization must be implemented prior to or at the same time the fungicide is applied. Refer to your local County Extension Service for this information.</p>
Gray Snow Mold/ Typhula Blight (<u>Typhula</u> <u>incarnata</u>) (Except California)	<u>Preventive Rates Only</u> 4	Apply in fall 30 day: prior to turf dormancy. If turf breaks dormancy during winter months, a second application should be made. Do not apply over snow cover, or when turf is dormant.
Pink Snow Mold/ Fusarium Patch (<u>Microdochium</u> <u>nivalis</u>) (Except California)	2 to 4	Apply before conditions favorable for infection occur. Re-application should be made as needed at a 60- to 90-day interval. Do not apply over snowcover, or when turf is dormant. Use higher rate in areas with a history of severe disease damage.

RECOMMENDED APPLICATIONS
TURF GRASS DISEASE CONTROL (Continued)

Note: *Apply the specified amount of BAYLETON 25 Turf and Ornamental Fungicide using 2 to 4 gallons of spray per 1,000 square feet. For equivalent rates per acre, see Conversion Table below. Make all applications after mowing and allow foliage to dry thoroughly before irrigation. Do not use clippings for animal feed.

Conversion Table for
BAYLETON 25 Turf and Ornamental Fungicide

<u>Oz/1,000 ft²</u>	<u>Pounds Per Acre</u>	<u>Number of 11 oz PVA Packets Per Acre</u>
1.0	2.75	4
2.0	5.50	8
4.0	11.00	16

ORNAMENTAL PLANT DISEASE CONTROL

PLANTS (Disease Controlled Reference)

DISEASES

Flowering & Foliage Plants(Outdoor) (Except California)

Ageratum (2b, 3, 4)
 Aster (4)
 Begonia (3)
 Canna (4)
 Carnation (3, 4)
 Chrysanthemum (3, 4)
 Dahlia (3)
 Delphinium (3)
 Dianthus (4)
 Four O'Clock (4)
 Geranium (3, 4)
 Hollyhock (3, 4)
 Iris (2c)
 Marigold (2b, 4)
 Nephthytis (2a)
 Pansy (3, 4)
 Petunia (3, 4)
 Phlox (2b, 3, 4)
 Rose (3)
 Salvia (3, 4)
 Sedum (3)
 Snapdragon (3, 4)
 Sunflowers (3, 4)
 (ornamental only)
 Sweet peas (3)
 Zinnia (2b, 3)

Shade Trees (Except California)

Ash (3)
 Aspen (3, 4)
 Birch (3, 4)
 Buckeye (3)
 Chestnut (3)
 Cottonwood (3, 4)
 Elm (3)
 Fir (4)
 Locust (3)
 Maple (3)
 Oak (3)
 Pine (4, 5)
 Poplar (3, 4)
 Russian Olive (2b, 4)
 Sycamore (3)
 Walnut (3)
 Willow (3, 4)

Hawaii Only

Dendrobium (1c)

California Only Recommendations

Azalea (1a, 3)
 Begonia (3)
 Cedar (2d)
 Crape myrtle (3)
 Euonymus (3)
 Geranium (3, 4)
 Hollyhock (3, 4)
 Iris (2c)
 Nephthytis (2a)
 Oak (3)
 Pine Trees (4, 5)
 Rose (3)
 Snapdragon (3, 4)
 Sweet peas (3)
 Sycamore (3)
 Viburnum (3)
 Willow (4)
 Zinnia (2b, 3)

Ornamental Shrubs & Trees

(Except California)
 Amelanchier (3)
 Azalea (1a, 2f, 3)
 Barberry (3, 4)
 Buckthorn (4)
 Camellia (suppression of 1b)
 Cedar (2d)
 Crabapple (flowering) (3, 4)
 Crape myrtle (3)
 Dogwood (3)
 Euonymus (3)
 Gardenia (3)
 Hawthorn (3, 4)
 Hemlock (4e)
 Holly (3)
 Juniper (4)
 Leucothoe (2b)
 Lilac (3)
 Mock-Orange (3, 4)
 Mountain Laurel (1a, 2b, 3)
 Ninebark (3)
 Paulownia (3)
 (Empress Tree)
 Pear (Flowering) (3)
 Photinia (2e, 3, 4)
 Potentilla (4)
 (Cinquefoil)
 Privet (2b, 3)
 Pyracantha (3)
 Rhododendron (1a, 2b, 3)
 Spirea (3)
 Viburnum (3, 4)
 Vitex (2b)
 (Chase Tree)

Flowering & Foliage Plants

(Greenhouse [D])
 (Except California)
 African Violet (3)
 Azalea (1a, 2f, 3)
 Calendula (3, 4)
 Carnation (3, 4)
 Chrysanthemum (3, 4)
 Cineraria (3)
 Crassula (3)
 Daisy (3, 4)
 Fern, Boston (4)
 Desmella spp.
 Geranium (3, 4)
 Gerbera (3)
 Grape Leaf Ivy (3)
 Kalanchoe (3)
 Rose (3)
 Snapdragon (3, 4)

California Only Recommendations

Greenhouse [D]
 African Violet (3)
 Carnation (3, 4)
 Chrysanthemum (3, 4)
 Geranium (3, 4)
 Grape Leaf Ivy (3)
 Rose (3)

- (1) Flower Blight
 - a) Ovulinia spp. [A]
 - b) Sclerotinia spp. [A]
 - c) Collectotrichum [A]
- (2) Leaf Blight/Spots
 - a) Cephalosporium spp. [C]
 - b) Cercospora spp.
 - c) Didymella spp. [B]
 - d) Didymascella thujina [G]
 - e) Entomosporium spp. [C]
 - f) Exobasidium spp. [E]
- (3) Powdery Mildew

Erysiphe spp.
Microsphaera spp.
Oidium spp.
Podosphaera spp.
Phyllactinia spp.
Sphaeronecra spp.
Uncinula spp.
- (4) Rusts
 - a) Coleosporium spp.
 - b) Cronartium spp. [B]
 (Fusiform)
 - c) Gymnosporangium spp.
 - d) Melampsora spp. [F]
 - e) Melampsora farlowii [A]
 - f) Melampsoridium spp.
 - g) Peridermium spp. [B]
 (Gall)
 - h) Phragmidium andersonii
 - i) Puccinia spp.
 - j) Uromyces spp.
 - k) Uredinopsis mirabilis [A]
- (5) Tip Blight

Sirococcus strobilinus [B]

ORNAMENTAL PLANT DISEASE CONTROL (Continued)

APPLICATION RATES: Except as noted for specific diseases, mix 11 ounces of BAYLETON 25 Turf and Ornamental Fungicide in 275 to 550 gallons of water and apply as a full coverage foliage spray to the point of drip as needed.

- [A] Mix 11 ozs of BAYLETON 25 Turf and Ornamental Fungicide in 68.75 to 137.5 gallons of water and apply as a full-coverage foliar spray to the point of drip. Use multiple applications at 7- to 14-day intervals as needed dependent upon bloom periods. Applications should begin at the expanded bud stage (color showing or at bud break on Hemlock). Use 4 applications at 14-day intervals for Hemlock rust.
- [B] Mix 11 oz of BAYLETON 25 Turf and Ornamental Fungicide plus sufficient spreader sticker for good coverage in 68.75 gallons of water. Apply in a spray application to the point of run-off on an as needed basis during the early part of the season. Excessive rates or excessive applications may result in a shortening of the flower stalk on iris.
- [C] Mix 11 oz of BAYLETON 25 Turf and Ornamental Fungicide in 68.75 to 137.5 gallons of water and apply as a full coverage foliar spray to point of run-off. Apply in early spring as growth starts and re-apply on a 14- to 21 day interval until new growth is fully expanded. Protect new growth that develops in late summer or fall as temperatures begin to drop.
- [D] Greenhouse Applications of BAYLETON 25 Turf and Ornamental Fungicide

Winter Use -- 1 oz in 50 gallons of water or 11 oz in 550 gallons of water
Summer Use -- 2 oz in 50 gallons of water or 11 oz in 275 gallons of water

Mix specified amount of BAYLETON 25 Turf and Ornamental Fungicide in water and apply in a spray application to the point of drip. Intervals between applications should be no shorter than 30 days to avoid flower stalk length reduction. Excessive rates or applications may result in a shortening of the flower stalk. ✓

- [E] For control of *Exobasidium* flower and leaf gall, apply 11 ounces of BAYLETON 25 Turf and Ornamental Fungicide in 275 gallons of water. Begin application at bud break and apply at 10-day intervals through infestation period.
- [F] For control of *Melampsora pinitorqua* (Pine Twisting Rust), apply a single application in spring during periods favorable for infection. Mix 11 ounces in 30.5 gallons of water and apply to shoots in the upper whorl of susceptible pine species. Make a single application per year as a full coverage application sprayed to runoff.
- [G] For control of *Didymasceila thujina*, Cedar Leaf Blight, apply 11 ounces per 0.69 acres in sufficient water to provide full coverage in nurseries, or 11 ounces per 68.75 gallons applied as a full coverage spray to ornamentals. Begin applications before disease appears in spring, and repeat at 60 day intervals through early fall.

COMPATIBILITY: BAYLETON is compatible with many registered insecticides and fungicides. To determine the compatibility of BAYLETON with specific products, the following procedure should be conducted. Pour the recommended proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least 5 minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible.

ORNAMENTAL PLANT DISEASE CONTROL (Continued)

) **SPRAY ADDITIVES:** Use of various spray additives such as spreaders, extenders, trace elements or fertilizers should be evaluated prior to use. The label directions given here are based on data obtained with no additives; use of any product with BAYLETON may affect the result. Contact local university extension personnel prior to use of spray mix additives.

RESTRICTIONS: Edible portions of treated trees, such as nuts and syrup, should not be used for feed or food.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Household: Do not reuse empty container. Securely wrap original container in several layers of newspaper and put in trash collection.

) **Pesticide Disposal (Except Household):** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal (Except Household): Completely empty carton into application equipment. Then dispose of empty carton in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. ✓

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Do not store below freezing (32 F). Exposure to moisture or excessive handling of water soluble packets may cause breakage. Store packets in original container and out of the reach of children, preferably in a locked storage area.

) Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Material that cannot be used as directed should be disposed of as directed above. In spill or leak incidents, keep unauthorized people away. You may contact the Miles emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Miles Kansas City Emergency Response Telephone No. is 816-242-2582, or contact Chemtrec at 800-424-9300.

318-7648.YLD

Base Pre-Reg. (7648a)

LABELING FOR 11 OUNCE PVA PACKET

BAYLETON

25 Turf and Ornamental Fungicide

SYSTEMIC FUNGICIDE

ACTIVE INGREDIENT:

1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H
-1,2,4-triazol-1-yl)-2-butanone 25%

EPA Reg. No. 3125-413

KEEP OUT OF THE REACH OF CHILDREN

CAUTION

(See Outer Package for Directions and Precautions)

Net Contents 11 Ounces