



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

29 APR 2008

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Ms. Glenda L. Mah
Senior Regulatory Affairs Specialist
CHEMISCO
Division of United Industries Corp.
P.O. Box 142642
St. Louis, MO 64114-0642

Dear Ms. Mah:

Subject: Chemisco Grass & Weed Killer Z
Label Amendment Updating PR Notices 2001-1 and 2001-6
EPA Registration No. 9688-108
Submission Dated: February 04, 2008

The labeling referred to above, submitted in accordance with registration under the Federal Insecticide, Fungicide, and Rodenticide act, as amended is acceptable provided you make the following changes:

1. Under the heading Storage and Disposal, insert "Pesticide" in front of Storage, and Disposal as follows:

STORAGE AND DISPOSAL

Pesticide Storage: Turn the nozzle....

Pesticide Disposal: If empty: ...down any drain.

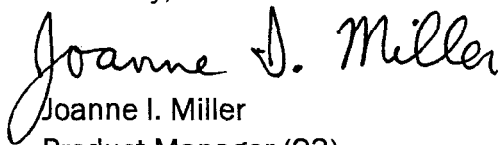
2. On page 4, immediately following the Environmental Hazards text revise to include the following text within your liability statement:

NOTICE: To the extent permissible by law, buyer assumes all responsibility for safety and use not in accordance with directions.

Submit one (1) copy of final printed labeling incorporating the above changes before you release the product for shipment. Amended labeling will supercede all previously accepted ones. A stamped copy of labeling is enclosed for your records.

If you have any questions, please contact Juanita Gilchrist at 703 305-6965.

Sincerely,



Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505P)

FRONT PANEL

Chemsico

GRASS & WEED KILLER Z

[KILLS WEEDS & GRASS IN WALKS, DRIVES, PATIOS AND FENCES]

[Water-based • Ready-to-Use • Just Aim and Spray • Do-it-yourself weed-killer • Kills weeds and some grasses • Kills weeds, grasses and unwanted vegetation • Controls grass and weeds within 24 hours • Works in 24 hours! • For 24 hour control • For walks, drives, fences, patios and similar areas • Kills the root • Able to re-seed in 48 hours • 48 hour re-seed • Re-seed in 48 hours • Re-seed treated areas in 48 hours • Won't stain gravel or paved areas • Fast Acting Formula]

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
29 APR 2008**

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

9688-108

Active Ingredient:	
Diquat Dibromide	0.230%
Fluazifop-P-butyl	0.075%
Other Ingredients:	99.695%

KEEP OUT OF REACH OF CHILDREN

CAUTION See side for additional precautionary statements

NET CONTENTS 1 GALLON (128 fl. oz./3.78 L)

OPTIONAL MARKETING CLAIMS

Tough on grass [and weeds] • Works on even the toughest grass & weeds • Kills grassy weeds fast - roots and all • Chemsico Grass & Weed Killer Z Works in 24 Hours! • Kills some weeds on contact • Kills grass and weeds along fences and in cracks of walks, drives and patios • Works in 24 hours on unwanted grass & weeds • Chemsico Grass & Weed Killer Z is ideal for killing unwanted grass & weeds throughout your yard

ICONS: Patios • Walkways • Flower & Ornamental Planting Beds • Flower & Ornamental Beds • Along Fences • Driveways

[DESCRIPTIVE COPY OPTIONS]

[OPTION A]

[Chemsico Grass & Weed Killer Z is tough on most hard-to-kill grass & weeds. Its unique formula is absorbed into grassy weeds and travels to the roots, killing the entire plant - roots and all. It works only when it contacts foliage and is deactivated when it hits the soil, making it ideal for use around flowers, shrubs and trees.]

[OPTION B]

[Chemsico Grass & Weed Killer Z is tough on most hard-to-kill grass & weeds. Chemsico Grass & Weed Killer Z's unique formula is absorbed into grassy weeds and travels to the roots, so it kills the entire plant, roots and all. Chemsico Grass & Weed Killer Z is ideal for killing unwanted grass & weeds throughout your yard ... patios, walkways & driveways, flower & ornamental beds, and along fences. Also treat edges around buildings and other places where plants are not wanted (except lawns).

HOW IT WORKS - Chemsico Grass & Weed Killer Z works systemically, which means it penetrates grassy weeds and travels directly to the roots. But, Chemsico Grass & Weed Killer Z works only if it contacts foliage. Once it hits the ground, it is deactivated by the soil so it is ideal for use around shrubs, flower beds, and tree wells.]

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BACK PANEL

STOP. READ ENTIRE LABEL BEFORE USE.**DIRECTIONS FOR USE**

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

**ENTRY RESTRICTIONS**

Do not allow people or pets to touch treated plants until the sprays have dried.

APPLICATION RESTRICTIONS

Do not apply this product in a way that will contact any person or pet, either directly or through drift. Only persons applying this product may be in the area during application.

HOW TO APPLY**(OPTION A: Hand Sprayer Applicator)**

1. SHAKE WELL (graphic).
2. CONNECT TRIGGER SPRAYER. Unscrew and discard the [white] cap on the bottle. Insert the hose into the bottle and tighten the cap securely.
3. PRIME SPRAYER. Turn the sprayer nozzle one-half turn counter-clockwise. Hold the sprayer lower than the bottle and squeeze the trigger several times until it sprays. Adjust the nozzle to coarse spray pattern. Avoid sprays which are too fine because they can drift and damage other plants.
4. SPRAY UNWANTED GRASS & WEEDS UNTIL COMPLETELY COVERED. Wilting and browning will begin within hours.

(OPTION B: Trigger Sprayer Applicator)

1. SHAKE WELL (graphic).
2. Turn the nozzle to coarse spray pattern. Avoid sprays which are too fine because they can drift and damage other plants.
3. SPRAY UNWANTED GRASS & WEEDS UNTIL COMPLETELY COVERED. Wilting and browning will begin within hours.

(OPTION C: Sprinkler Cap Applicator)

1. SHAKE WELL (graphic).
2. Remove cap from sprinkler head. Make sure that the sprinkler head is screwed firmly onto bottle. The width of the pattern can be adjusted by raising or lowering the bottle.
3. INVERT BOTTLE AND WET UNWANTED GRASS & WEEDS COMPLETELY. Wilting and browning will begin within hours.

USE TIPS

1. For best results, apply on a sunny day when it's above 60° F. If it rains within 12 hours of spraying, retreatment may be necessary.
2. Don't spray on desirable plants - this product will kill them too. Also, don't spray on windy days to avoid drift to desirable plants. Rinse them off immediately if contact occurs. [ALTERNATE: Don't spray on windy days to avoid drift to desirable plants. If desirable plants are accidentally sprayed, rinse immediately with water.]
3. Treated areas may be replanted in 48 hours.
4. Some hard-to-kill weeds or grass such as Annual Bluegrass may require more than one application. [ALTERNATE: Some hard-to-control weeds and grasses may require more than one application.]

USER SAFETY RECOMMENDATIONS

Clothing exposed to this product should be washed in detergent and hot water. Such items should be kept and washed separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

STORAGE AND DISPOSAL**(OPTION A: Hand Sprayer Applicator)**

Storage: Turn the nozzle to "OFF" position and store with sprayer above the level of liquid in container to prevent leakage. Store in a cool, dry area away from heat or open flame. **Disposal: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

(OPTION B AND C: Trigger Sprayer or Sprinkler Cap)

Storage: Store in a cool, dry area away from heat or open flame. **Disposal: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

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OPTION D: POWER PUMP CLAIMS & INSTRUCTIONS

[Power Pump™ - Works like a pressure sprayer! · Refillable · Ready-to-Use · Power Pump Pressure Sprayer]

STOP. READ ENTIRE LABEL BEFORE USE

DIRECTIONS FOR USE

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



ENTRY RESTRICTIONS

Do not allow people or pets to touch treated plants until the sprays have dried.

APPLICATION RESTRICTIONS

Do not apply this product in a way that will contact any person or pet, either directly or through drift. Only persons applying this product may be in the area during application.

(Graphics with call outs.)

1. **CONNECT WAND HOSE TO POWER PUMP BOTTLE.** Unwrap the wand. Unscrew and discard the [Black] cap protecting the bottle opening. (graphic). Push the clear tube down through the small opening on the bottle. Tightly screw the [Green] hose connector cap onto the bottle. (graphic). Make sure the [Green] button on the wand is "OFF" or "UP" before pressurizing (graphic).
2. **PRESSURIZE THE POWER PUMP.** Break off the Pump Handle "TAB" with your thumb (graphic). Pump 20-30 times to build up pressure. NOTE: The Power Pump bottle may bulge slightly as it is pressurized. Never pressurize by any means other than the pump included. You'll need to pump every once in a while to keep the Power Pump pressurized during use.
3. **SPRAY WEEDS AND UNWANTED GRASS!** Just depress the [Green] button on the wand to spray. If needed, the button can be locked "ON" by pushing it down and forward at the same time. The reverse motion will lock it "OFF" (graphic).
Spray unwanted grass or weeds until wet.
4. **WILTING OR BROWNING WILL BEGIN IN HOURS.** (graphic)

USE TIPS

1. For best results, apply on a sunny day when it's above 60° F. If it rains within 12 hours of spraying, retreatment may be necessary.
2. Don't spray on windy days to avoid drift to desirable plants. If desirable plants are accidentally sprayed, rinse immediately with water.
3. Treated areas may be replanted in 48 hours.
4. Some hard-to-control weeds or grasses may require more than one application.

USER SAFETY RECOMMENDATIONS

Clothing exposed to this product should be washed in detergent and hot water. Such items should be kept and washed separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

REFILLING

The Power Pump can be refilled up to 5 times with Chemsico Grass & Weed Killer Z or Chemsico Grass & Weed Killer M [concentrate]. When using the concentrate, add 12.8 ozs. of product and dilute to a gallon with water. Use the "Fill-to-Here" mark on the side of the Power Pump bottle as a guide. Make sure the [Green] pump cap and the [Black] hose connector cap are tightly secured before repressurizing.

IMPORTANT: Do not refill more than 5 times. Do not use any product other than Chemsico Grass & Weed Killer Z or Chemsico Grass & Weed Killer M [concentrate] in this Power Pump. Incompatible chemicals may damage the pump making it unsafe to use.

OPTION E: PRESSURIZED SPRAYER INSTRUCTIONS

PRESSURIZED SPRAYER DIRECTIONS

1. **Pressurize Sprayer**
Before use, bend or break off shipping safety "tabs" located on each side of the pump rod. Attach spray hose to bottle by turning hose connection cap to the right. Make certain the connection is secure. Align locking bar on pump handle with slots on top of pump to release handle for pumping. Pump 10-20 times for maximum pressure. Fewer pumps may be desirable to control spray in tight areas. Pump occasionally during application to maintain tank pressure and desired spray pattern. Do not over pressurize.
2. **Spraying**
Position deflector shield on top of nozzle outlet for a fine fan spray to cover wider areas; rotate to bottom of nozzle outlet for a more precise, solid stream.

Depress button to begin spraying. Slide button forward to lock on; press down and back to release to off.

3. Refilling Sprayer

The sprayer can be refilled up to 5 times with Chemsico Grass & Weed Killer Z or Chemsico Grass & Weed Killer M [concentrate]. Before opening, release any built-up pressure by opening valve. Press down on pump handle and turn to left to remove pump assembly from tank. Add 12.8 oz. and dilute to a gallon with water. Use "Fill to Here" mark on the side of the bottle as a guide. Shake well to mix. Replace pump, turning to right to seal.

IMPORTANT: Do not refill more than 5 times. [To keep track of the number of times refilled, put a mark through the appropriate number.]

1	2	3	4	5 Final
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Do not use any product other than Chemsico Grass & Weed Killer Z or Chemsico Grass & Weed Killer M [concentrate] in the sprayer. Incompatible chemicals may change the pump making it unsafe to use.

Cleaning/Maintaining Sprayer

Between uses, release pressure as described above. Detach sprayer hose from tank by turning hose connection cap to left. Lock on sprayer nozzle, hold end of hose under running water, and let clean water run through hose for 1-2 minutes. Drain water from hose, reattach to sprayer and place handle in built-in storage pocket. Apply a few drops of oil to pump rod, then pump several times to lubricate the rod. Store container in a cool, dark place between uses.

Sprayer Precautions

- Always thoroughly inspect your sprayer before each use.
- Be sure hose is securely attached and in good condition before pressurizing tank.
- Discard if any worn or damaged parts are noticed.
- Do not allow spray to reach people or animals.
- Always release air pressure before removing pump (see sprayer directions).
- Do not use this sprayer to apply any materials other than Chemsico Lawn and Garden Insect Control concentrate. Other materials could cause the container to weaken or corrode its working parts, which could lead to injury.
- Do not use mechanical devices to pressurize the tank. They can create excessive and dangerous pressure which could cause the tank to explode.
- Do not stand over pressurized sprayer while using or pumping it.
- Do not use solutions hotter than 105 [or appropriate temperature] degrees F.
- Always securely tighten the pump. An improperly tightened pump could be forcibly ejected and cause serious injury.
- Do not pressurize sprayer until ready to use. Do not store sprayer pressurized, or leave pressurized sprayer unattended.

- Do not lift or carry sprayer by hose or extension rod. Carry only by pump or bottle handle, making sure handle is properly locked in place before lifting.
- Do not force clogged nozzle open with air pressure. Clean with fine wire or toothpick.
- Failure to heed all precautions and directions could result in serious bodily injury or property damage.

STORAGE AND DISPOSAL

(For options D & E - Power Pump and Pressurized Sprayer)

Storage: Store in a cool, dry area away from heat or open flame. **Always release pressure by unscrewing the pump cap before storing.** **Disposal: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

PRECAUTIONARY STATEMENTS

(All Application Methods)

Hazards to Humans and Domestic Animals

CAUTION: Harmful if inhaled. Do not breathe spray mist. Causes eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

First Aid

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 if possible. Call a Poison Control Center or doctor for treatment advice. **If in Eyes:** Hold eye 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 eye. Call a Poison Control Center or doctor for treatment advice.

Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment.

Environmental Hazards

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

[Questions or comments? Call 1-800-332-5553]

Made in the USA by Chemsico, Division of United Industries Corporation,
P.O. Box 142642, St. Louis, MO 63114-0642

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EPA Est. No. 9688-MO-1

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