

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take care to avoid contamination of equipment and facilities during cleanup and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

D•z•n® trademark of Ciba-Geigy Corporation

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Ciba Crop Protection  
Ciba-Geigy Corporation  
Greensboro, North Carolina 27419

CGA  
CGA

Corresponds to 5/17/95 label for D.z.n  
Diazinon 4E

3/20/96 - Revised rates to be more closely  
equivalent to 4E and AG600, additional  
editorial revisions per telephone  
conversations with EPA on 3/20/96.

[LABELD-W/DZNIOWBC] CCG - 3/21/96



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
100-785

Date of Issuance:  
MAR 26 1996

Term of Issuance: Conditional

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

(under FIFRA, as amended)

Name of Pesticide Product:  
D.z.n® diazinon  
Indoor/Outdoor WBC

Name and Address of Registrant (include ZIP Code):

Ciba-Geigy Corporation  
Ciba Crop Protection  
P.O. Box 18300  
Greensboro, NC 27419

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 labeling changes listed below before you release the product for shipment:
  - a. Add the phrase "EPA Reg. No. 100-785".
  - b. In the **Environmental Hazards**, delete the comma between "waterfowl" and "(ducks or geese)".

Signature of Approving Official

Date

MAR 26 1996

- c. Under **General Information**, relocate "(including Federally inspected meat and poultry plants)" from after "sports facilities" to appear after "and food and feed handling establishments". Delete "This product is also approved for use in USDA Meat and Poultry Plants."
  - d. Re-add the block around the "Indoor Use Precautions" heading and text as it had appeared in the draft label to tie together the Applicator Safety, the "Do" and "Do not" lists, and the Household Item Precautions.
  - e. Re-add the block around the "Outdoor Use Precautions" heading and text as it had appeared in the draft label to tie together the Location precautions, Non/target species /Application precautions, and Applicator Safety lists.
  - f. In item 3 of the Protecting Non-target Species/Application Precautions (in the Outdoor Use Precautions), add a comma before and after "such as ducks or geese".
  - g. Under the heading **Pests of Ornamental Plants**, relocate "Repeat as necessary." to appear at the end of the first paragraph, i.e., after "Try to spray underside of leaves and penetrate dense foliage."
  - h. Also in the Home Lawn Pests table, you may want to revise the **Remarks** about Frit flies to read "For frit flies, before treatment mow grass and water well but delay application until grass is dry." to avoid possible misinterpretation of "well before treatment" as indicating some sort of extended time delay.
3. Submit three (3) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling. Be sure to meet type size requirements for elements of the label with minimum type size requirements.
4. You have verbally indicated that a one year storage stability test has been completed for this product and that the final report on this study is in preparation. Within three months, submit the results of a one-year storage stability study for this product in the container to be marketed under normal storage conditions. Storage stability studies for diazinon products are still required because of the regulatory history

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EPA Reg. No. 100-785

for this active ingredient. The Agency understands that you will be continuing evaluation of storage stability beyond one year as part of your quality control program.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.

) Enclosures

)

SECOND DRAFT - REVISED TEXT AND RATES

D•z•n® diazinon Indoor/Outdoor WBC

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAR 26 1996

INSECTICIDE  
Water-Based Concentrate

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
100-785

Recommended for commercial/industrial use only.

For pest control indoors, including food and feed handling establishments. Outdoor use only on home lawns and landscaped areas around the home.

This product must not be used on golf courses and sod farms.

Active Ingredient:	
Diazinon O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate .....	56.0%
Inert Ingredients:	44.0%
Total:	100.0%

Shake contents well before using.

See directions for use on back of container.

EPA Reg. No. 100-

EPA Est. \_\_\_\_\_

One Gallon  
and  
Five Gallons

U.S. Standard Measure

**DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY**

**IMPORTANT:** Read the entire **Directions for Use** and the **Conditions of Sale and Warranty** before using this product. If terms are not acceptable, return the unopened product container at once.

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**Conditions of Sale and Warranty**

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The **Directions for Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Ciba-Geigy or the Seller. All such risks shall be assumed by the Buyer.

Ciba-Geigy warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use** subject to the inherent risks referred to above. **Ciba-Geigy makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Ciba-Geigy or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Ciba-Geigy and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing **Conditions of Sale and Warranty**, which may be varied only by agreement in writing signed by a duly authorized representative of Ciba-Geigy.

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**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before smoking or eating. Remove contaminated clothing and wash before reuse. Avoid contamination of food and feed. Food utensils such as tablespoons or measuring cups must not be used for food purposes after use in measuring pesticides. Keep out of reach of domestic animals. Do not use on humans, household pets, or livestock. Do not permit children or pets to go onto treated areas until spray has dried. Do not contaminate ornamental fish ponds.

**Statement of Practical Treatment**

**If swallowed:** Call a physician or Poison Control Center immediately. 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 if person is unconscious or convulsing.

**If inhaled:** Remove victim to fresh air. If not breathing, apply artificial respiration, preferably mouth-to-mouth. Get medical attention.

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

**If in eyes:** Flush eyes with plenty of water. Get medical attention.

**Note to Physician:** If ingested, induce emesis or lavage stomach. Diazinon is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.

**Environmental Hazards**

This product is highly toxic to birds, fish, and other wild life. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. For lawns, if waterfowl, (ducks or geese) can be expected in

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the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying this product, however, stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not apply directly to water, 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. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming plants. Do not apply this pesticide or allow it to drift to blooming plants if bees are visiting the treatment area.

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#### **DIRECTIONS FOR USE**

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

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#### **General Information**

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D•z•n diazinon Indoor/Outdoor WBC is intended for use by pest control operators. Apply the product after dilution with water according to the directions for use for the control of those pests specified on this label. This product is not intended for use in preparing oil base sprays.

This product may be used indoors in households, apartments, and other structures, including schools (except classrooms in use), hospitals (except in patient rooms while occupied), office buildings, museums, libraries, sports facilities (including Federally inspected meat, and poultry plants), stores, warehouses, and food and feed handling establishments. Read and follow the **Precautions** listed below when applying this product in any of these indoor areas. This product is also approved for use in USDA Meat and Poultry Plants. In food and feed areas of food/feed handling establishments, this product may be applied **only** as a crack and crevice treatment or limited spot treatment. See the specific directions for use for treatment of these areas.

D•z•n diazinon Indoor/Outdoor WBC may also be used outdoors but only on home lawns and ornamentals around the home. See the specific directions for use for treatment of these areas.



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**INDOOR USE**

Indoors, this product controls:

- |                         |           |
|-------------------------|-----------|
| ants                    | scorpions |
| brown dog ticks         | spiders   |
| carpet beetles          |           |
| cockroaches (waterbugs) |           |

In households and in food and feed areas of food/feed handling establishments, this product also aids in the control of the following exposed stages of pantry pests which come into contact with treated surfaces:

- |                  |                       |
|------------------|-----------------------|
| drugstore beetle | Indian meal moth      |
| cigarette beetle | rice weevil           |
| flour beetle     | sawtooth grain beetle |

**Indoor Use Precautions:**

**Applicator Safety**

If clothing is sprayed during application, remove clothing immediately after spraying. Wash affected body areas with soap and water and launder clothing before wearing again.

**Application Method and Location Precautions**

**Do:**

1. Apply only in well-ventilated areas.
2. Remove or cover fish bowls and remove pets before application.
3. Cover or remove exposed food during application.
4. Cover all food processing surfaces and utensils during application or thoroughly wash surfaces and utensils with soap and water before use.

**DO NOT:**

1. Use this product indoors as an overall surface or space spray.
2. Introduce the product into the air during application.
3. Apply where children are likely to frequently contact treated surfaces.
4. Apply in patient rooms or in any rooms while occupied by the elderly or sick.
5. Apply to classrooms when in use.

6. Apply when people are present in the area to be treated in institutions including, but not limited to office buildings, museums, libraries, and sports facilities.
7. Treat pets with this product.
8. Apply directly to conduits, motor housings, or electrical switch boxes.
9. Apply to areas, surfaces, or utensils which will contact food or feed.
10. Apply to drains or sewers because this product is toxic to some aquatic species.

**Household Item Precautions**

**Avoid:**

1. Excessive wetting of carpets, floor coverings, or unfinished materials because they may be damaged.
2. Spotting of walls, wall coverings, and fabrics.

**Mixing Instructions**

Dilute this product with water to make a 1/2% or 1% spray and apply as indicated below.

Gals. of finished spray	Amount D·z·n Diazinon Indoor/Outdoor WBC	
	1/2% spray	1% spray
1	1 fl. oz.*	2 fl. oz.
2	2 fl. oz.	4 fl. oz.
3	3 fl. oz.	6 fl. oz.
10	10 1/2 fl. oz.	21 fl. oz.
20	21 fl. oz.	42 fl. oz.

\*2 tablespoons = 1 fl. oz.

**Indoor Use - Except Food and Feed Handling Establishments**  
Households, Apartments, and Non-Food Areas of Offices, Schools (except classrooms in use), Libraries, Hospitals (except patient rooms while occupied), Museums, and Sports Facilities (see Food and Feed Handling Establishments for special directions when applying this product in food handling or serving areas in non-residential buildings).

**Cockroaches (Waterbugs), Ants, Silverfish:** Make spot applications of 1/2% coarse spray or apply with a paintbrush to baseboards, areas around water pipes, cracks and crevices.

surfaces behind and beneath cabinets, refrigerators, sinks, stoves, and similar areas where these insects hide.

For heavy cockroach infestations, make the first application at a strength of 1%, followed by monthly applications of 1/2% spray.

**Brown Dog Ticks:** Make thorough application of a 1/2% spray to infested areas around baseboards, window and door frames, wall cracks, sleeping quarters of household pets, and localized areas of floors and floor coverings. Do not use as an overall surface spray. Fresh bedding should be placed in animal quarters following treatment. Do not treat animals with this product.

**Carpet Beetles:** Apply a 1/2% spray in spot applications along baseboards and edges of carpeting, under carpeting and rugs and furniture, in closets and on shelving, and wherever these insects are seen or suspected.

**Spiders and Scorpions:** Apply a 1/2% spray around windows, doors, and along baseboards. Make spot applications to other areas over which these pests may crawl.

**Pantry Pests - Exposed Stages (Sawtoothed grain beetle, Flour beetle, Rice weevil, Cigarette beetle, Drugstore beetle, Indian meal moth):** Apply a 1/2% spray to shelves and cupboards where food containers suspected of being infested are stored. Remove all food and shelving paper before spraying. Do not replace the food packages until spray has dried. Cover shelves with shelving paper. This treatment is supplemental to good housekeeping, since it will have no effect on insects breeding within food packages. Infested food packages should be destroyed.

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### **Food and Feed Handling Establishments**

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Places other than private residences in which food or feed is held, processed, prepared, or served (includes restaurants, canneries, bakeries, food processing plants, mills, dairies, and Federally inspected Meat and Poultry Plants). This product may be used in the food/feed areas and the non-food/non-feed areas of these establishments. Apply this product either as a limited spot or crack and crevice treatment as directed below.

#### **Food/Feed Areas of Food/Feed Handling Establishments**

Includes areas for receiving, storage (dry, cold, frozen, raw), preparing (cleaning, slicing, cooking, grinding), serving (when food is exposed and facility is in operation) packaging (canning, bottling, wrapping, boxing); edible waste storage and enclosed processing systems (mills, dairies, and systems for processing edible oils, and syrups).

**APPLICATION OF THIS PRODUCT IN THE FOOD/FEED AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT OR LIMITED SPOT TREATMENT IS NOT PERMITTED.**

**Limited Spot Treatment**

Apply this product diluted to 1/2-1% as a coarse, low-pressure fan spray around water pipes and door frames, to surfaces beneath cabinets, refrigerators, sinks, stoves, storage areas, and similar floor areas. Limit spot treatments to floor surfaces where pests have been seen or where they are suspected of hiding. Limit the sum of individual spot treatments to an area no larger than 20% of the floor surface area. Any individual spot treatment must not exceed 2 square feet.

**Crack and Crevice Treatment**

Apply this product diluted to 1/2-1% with equipment capable of delivering a pin stream of insecticide. Apply in small amounts directly into cracks and crevices in such areas as expansion joints, spaces between equipment and the floor, openings leading to voids, and hollow spaces in walls and equipment legs and bases.

**Non-Food/Non-Feed Areas of Feed/Food Handling Establishments**

Include garbage rooms, lavatories, entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets, and storage areas (after canning or bottling).

**Spot Treatment**

Apply this product diluted to a 1/2-1% spray. Apply as a coarse, low-pressure fan spray as a spot treatment along baseboards, to areas around water pipes, beneath cabinets, to surfaces behind and beneath sinks, lockers, and pallets; and to storage areas where cockroaches, ants, silverfish, and spiders hide.

**OUTDOOR USE**

**Outdoor Use Precautions:**

**Location Precautions**

**Do Not:**

Use this product on ornamentals or on turf areas other than around the home.

**Protecting Non-target Species/Application Precautions**

**Do not:**

1. Apply this product or allow it to drift to blooming plants if bees are visiting the treatment area because this prod

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uct is highly toxic to bees exposed to direct treatment or residues on treated plants.

2. Apply this product to lawns in Nassau County New York between November 1 and May 20. This is to protect certain Atlantic coast migratory waterfowl.
3. Exceed maximum label rates since higher rates significantly increase the risk to birds and waterfowl. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. If waterfowl such as ducks or geese can be expected on the treated lawn after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying, but stop watering before puddling occurs.
4. Overlap sprays.
5. Apply this product through any type of irrigation system.

**Applicator Safety**

1. Wear a long-sleeved shirt and long-legged pants when spraying.
2. Spray with the wind to your back.
3. Do not spray on windy days.
4. If clothing becomes wet from spray, remove clothing after spraying. Wash affected body areas thoroughly with soap and water, and launder clothing before wearing again.

**Pests of Ornamental Plants:** To control certain pests on Arborvitae, Azalea, Birch, Boxwood, Camellia, Carnation, Chrysanthemum, Crab Apple, Dogwood, Douglas fir, Elm, Euonymus, Gladioli, Hawthorn, Holly, Honey Locust, Honeysuckle, Juniper, Lilac, Lilly, Locust, Maple, Marigold, Oak, Pansy, Petunia, Pine, Ornamental Plum, Poplar, Rhododendron, Rose, Scotch Pine, Spirea, Spruce, Sycamore, Wax Plant (Hoya), Willow, Yellowwood, and Yew, apply the recommended rates indicated in the following chart. Try to spray underside of leaves and penetrate dense foliage.

Do not use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea, and Gardenia, since injury to the plants may occur. Repeat as necessary.

Pests	Amount D·z·n diazinon Indoor/Outdoor WBC to use	
	per 3 gals. water	per 100 gals. water
Aphids, Bagworms, Carnation bud mites, Carnation shoot mites, Clover mites, Cyclamen mites, Dipterous leafminers, European pine shoot moths, European red mites, Flea beetles, Holly bud moths, Leafhoppers, Obscure root weevils, Omnivorous leaftiers, Privet mites, Scale crawlers: Cottonycushion, Lecanium, Pine needle, San Jose scale, Thrips, Two-spotted spider mites, Juniper Webworms, Whiteflies	2 1/2 teaspoons	13 1/2 fl. oz.*
Apple-and-thorn skeletonizers, Cotoneaster webworms, European Pine Sawfly Fall webworms, Hemlock chermes, Oak loopers, Obliquebanded leafrollers, Pear slugs, Tent caterpillars	2 1/2 table- spoons	41 fl. oz.*

\*1 fl. oz. = 2 tablespoons  
 1 tablespoon = 3 teaspoons

**Mimosa Webworm:** Mix 2 1/2 teaspoons in 3 gals. of water (or 13 1/2 fl. oz. in 100 gals. of water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

**Home Lawn Pests:** To control the following pests, apply rates in chart.

Pests	Rate per 1,000 sq. ft.		Remarks
	D·z·n diazinon Indoor/ Outdoor WBC	Water	
Lawn chinch bugs	3 1/2- 5 table- spoons	3 gals.	Use higher rate for longer residual control and in lawns of dense growth, such as St. Augustine lawns.
Ants, Armyworms, Bermudagrass mites, Clover mites, Springtails (Collembola), Crickets, Cutworms, Digger wasps, Earwigs, Frit flies, Lawn billbugs, Leafhoppers, Sod webworms (Lawn moth), Sowbugs (pillbugs)	3 1/2- 5 table- spoons	3 gals.	Spot spray anthills and wasp ground nest openings.  For digger wasps apply at dusk when the wasps are not active.  For frit flies, mow grass and water well before treatment but delay application until grass is dry.
Brown dog ticks, Chiggers, Fleas	5 table- spoons	3 gals.	<b>Note:</b> Do not apply to animals. For brown dog ticks, spray grass and under shrubby, particularly near house.
Hyperodes weevils	5 table- spoons	3 gals.	Treat problem areas in mid- April and again in mid May.

Millipedes	5 table- spoons	3 gals.	
Rhodesgrass scales	5 table- spoons	3 gals.	Apply when crawlers first emerge.
White Grubs (such as Japanese beetle larvae, European chafer, Southern chafer)	5 table- spoons	3 gals.	Apply any time between late July and early October.

**Nuisance Pests Outside the Home**

Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sow-bugs (Pillbugs), Spiders, and Springtails (Collembola).

Mix 5 tablespoons in 3 gals. of water.

Thoroughly spray window and door screens and sills, foundations, porch and patio walls, entranceways, walks, garbage cans, tree trunks, and into cracks and other places where insects can hide. Repeat application as necessary.

To prevent entry of insects into the house, spray a five-ft band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 feet.

Repeat application as necessary. **Do not apply to animals. Do not treat plants (other than tree trunks) at this nuisance pest rate.**

**Storage and Disposal**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. If freezing occurs place product in a warm room (68°F or above) and allow to thaw. Roll or shake container at frequent intervals until thawing is complete.

**Pesticide:** 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.

**Container:** Triple rinse or equivalent. Then offer for recycling, reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn if allowed by state and local authorities. Stay out of smoke from burning container.