



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
212063

Application for Pesticide - Section I

1. Company/Product Number 19713-92	2. EPA Product Manager George LaRocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Drexel D-264 4E Insecticide	PM# 2071 4291 13	
5. Name and Address of Applicant (Include ZIP Code) Drexel Chemical Company P. O. Box 9306 2487 Pennsylvania St Memphis, TN 38190 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Changing name to: Drexel D-264 4E Diazinon Insecticide

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph	<input type="checkbox"/> Paper glued	<input type="checkbox"/> Other _____	
		<input type="checkbox"/> Stenciled			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Barbara Brown	Title Registration Specialist	Telephone No. (include Area Code) 901/774-4370
2. Signature <i>Barbara Brown</i>		3. Title Registration Specialist
4. Typed Name Barbara Brown		5. Date 9/27/94
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped) 144

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Drexel

D-264 4E DIAZINON INSECTICIDE

Recommended for commercial/industrial use only. For pest control indoors including food and feed handling establishments. Outdoors 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] . . . 48.2%

INERT INGREDIENT: 51.8%

TOTAL: 100.0%

*Contains 4 lbs. per gallon of the active ingredient Diazinon

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

EPA Reg. No: 19713-92
EPA Est. No. 19713-GA-1

■ 92SP-0994

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia. Do not give anything by mouth if person is unconscious or convulsing.
IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
IF ON SKIN: Wash promptly with plenty of soap and water. Rinse thoroughly. Get medical attention.
IF IN EYES: Rinse eyes with plenty of water. Call a physician if irritation persists.
NOTE TO PHYSICIAN: Solvent may present aspiration hazard. Gastric lavage may be indicated if product was taken internally. 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.

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

WARNING: Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye injury. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. 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 into treated areas until spray has dried. Do not contaminate ornamental fish ponds.

ENVIRONMENTAL HAZARDS

This product is highly toxic to birds, fish and other wildlife. 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 or waterfowl. Avoid overlapping of sprays. For lawns, if waterfowl, i.e. ducks and geese, can be expected in 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 washwater.

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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill, or store near heat or open flame.

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 through any type of irrigation system. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

GENERAL INFORMATION

D-264 4E Diazinon Insecticide is an emulsifiable concentrate and 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. D-264 4E Diazinon Insecticide 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, 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, D-264 4E Diazinon Insecticide 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-264 4E Diazinon Insecticide may also be used outdoors only on home lawns and ornamentals around the home. See the specific directions for use for treatment of these areas.

INDOOR USE

Indoors D-264 4E Diazinon Insecticide controls:

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

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	flour beetle	rice weevil
cigarette beetle	Indian meal moth	sawtooth grain beetle



Manufactured By
Drexel Chemical Company
P O BOX 9306, MEMPHIS, TN 38190-0306

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Precautions: (1) Do not use this product indoors as an overall surface spray or as a space spray; take care not to introduce this product into the air during application. (2) Use only in well-ventilated areas. (3) Do not apply where children are likely to frequently contact treated surfaces. (4) Remove or cover fish bowls and remove pets before application. (5) Do not treat pets or plants with this product. (6) Do not allow children or pets in treated areas until spray has dried. (7) Do not apply this product in patient rooms or in any rooms while occupied by the elderly or infirm. (8) Do not apply to classrooms when in use. (9) In institutions (including, but not limited to office buildings, museums, libraries, and sports facilities), do not apply this product when occupants are present in the immediate area. (10) The solvent used in this formulation is a petroleum distillate which may stain certain plastic, rubber, and asphalt materials such as tiles and floor coverings. Do not treat such materials. (11) Avoid excessive wetting of carpets, floor coverings or unfinished materials because damage may occur. (12) Care should be taken to avoid spotting of walls, wall coverings, and fabrics. (13) Do not apply directly to upholstery or furniture. (14) Do not apply to areas, surfaces, or utensils which will contact food or feed. (15) Exposed food should be covered or removed during application. (16) All food processing surfaces and utensils should be covered during application or thoroughly washed with soap and water before use. (17) 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.

MIXING INSTRUCTIONS

Dilute D-264 4E Diazinon Insecticide with water to make a ½% or 1% spray and apply as indicated below.

GALS. OF FINISHED SPRAY	AMOUNT D-264 4E DIAZINON INSECTICIDE TO USE FOR	
	½ % SPRAY	1 % SPRAY
1	1¼ fl. oz.	2½ fl. oz.
2	2½ fl. oz.	5 fl. oz.
3	3¾ fl. oz.	7½ fl. oz.
10	12½ fl. oz.	25 fl. oz. (1 ½ pts.)
25	32 fl. oz. (2 pts.)	64 fl. oz. (4 pts.)

*2½ tablespoons = 1¼ 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 ½% 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 ½% spray.

Brown Dog Ticks: Make thorough application of a ½% 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 ½% 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 ½% 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 ½% 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.

FOOD AND FEED HANDLING ESTABLISHMENTS

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 USDA Meat and Poultry Plants). D-264 4E Diazinon Insecticide may be used in the food/feed areas and the non-food/non-feed areas of these establishments. Apply D-264 4E Diazinon Insecticide either as a limited spot or crack and crevice treatment as directed below.

Food/Feed Areas of Food/Feed Handling Establishments

Include areas for receiving, storage, (dry, cold, frozen, or raw), preparing (cleaning, slicing, cooking, grinding), serving (when food is exposed and facility is in operation) packaging (canning, bottling, wrapping, and 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 ½-1% 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 ½-1% 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, floor drains (to sewers), 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 ½-1% 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

Control of pests on lawns and on ornamentals around the home only.

Precautions: (1) Do not use this product on ornamentals or on turf areas other than around the home. (2) Do not apply this product through any type of irrigation system. (3) This product is highly toxic to bees exposed to direct treatment or to residues on blooming plants. Do not apply this product or allow it to drift to blooming plants if bees are visiting the treatment area. (4) Birds, especially waterfowl, feeding or drinking on treated areas may be killed. (5) Because of the migratory habit of certain Atlantic coast waterfowl, do not apply this product to lawns in Nassau County, New York between November 1 and May 20. (6) Do not exceed maximum permitted label rates since rates above those recommended significantly increase potential hazards to birds and waterfowl. (7) Avoid overlapping of sprays. (8) If waterfowl, i.e., ducks, geese can be expected in the treated lawn after treatment (except spot treatment) water lawn with at least ¼ inch of water immediately after spraying this product, however, stop watering before puddling occurs. (9) Wear a long-sleeved shirt and long-legged pants when spraying. Spray with the wind to your back. Do not spray on windy days. If clothing becomes wet from spray during use, 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, Camelia, Carnation, Chrysanthemum, Douglas fir, Elm, Gladioli, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Rose, Spruce and Willow, 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.

Pests	Amount D-264 4E Diazinon Insecticide 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 leafhoppers, Privet mites, Scale crawlers: Cottonycushion, Lecanium, Pine needle, San Jose scale, Thrips, Two-spotted spider mites, Juniper Webworms, Whiteflies	½ fl. oz.*	1 pt.*
Apple-and-thorn skeletonizers, Cotoneaster webworms, Fall webworms, Hemlock chermes, Oak loopers, Obliquebanded leaf-rollers, Pear slugs, Tent caterpillars	1¼ fl. oz.*	3 pts.*

*1 fl. oz. = 2 tbsp.; 16 fl. oz. = 1 pt.

Mimosa Webworm: Mix ½ fl. oz. (1 tablespoon) in 3 gals. of water (or 1 pt. 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 pests listed below, apply recommended rates.

Pests	Rate per 1,000 sq. ft.		Remarks
	D-264 4E Diazinon Insecticide	Water	
Lawn chinch bugs	2-3 fl. oz.	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, Cut- worms, Digger Wasps, Earwigs, Fruit flies, Lawn billbugs, Leafhoppers, Sod webworms (Lawn moth), Sowbugs, (pillbugs)	2-3 fl. oz.	3 gals.	Spot spray anthills and wasp ground nest openings. For digger wasps, apply at dusk when the wasps are not active. For fruit flies, mow grass and water well before treatment but delay application until grass is dry.
Brown dog ticks, Chiggers, Fleas	3 fl. oz.	3 gals.	Note: Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.
Hyperodes Weevil	3 fl. oz.	3 gals.	Treat problem areas in mid-April and again in mid-May
Millipedes	3 fl. oz.	3 gals.	
Rhodesgrass scales	3 fl. oz.	3 gals.	Apply when crawlers first emerge.
White grubs (such as Japanese beetle larvae, European chafer, Southern chafer)	3 fl. oz.	3 gals.	Apply any time between late July and early October.

Nuisance Pests Outside the Home

Ants, Boxelder Bug, Brown Dog Ticks, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs, (Pillbugs), Spiders, and Springtails (Collembola).

Mix 3 fl. oz. 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-foot 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.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

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 by other procedures approved by state and local authorities. 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 1-800-424-9300, day or night.

WARRANTY—CONDITION OF SALE:

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.