

PM15 5451-216 1/2 12-4-70



# DURSBAN<sup>®</sup> DDVP 2.50

## INDOOR / OUTDOOR PEST CONTROL FOR COMMERCIAL / INDUSTRIAL USE

Controls Ants, Chinch Bugs, Sod Webworms, White Grub Larvae, Chiggers, Fleas, Mosquitoes, Spiders, Ticks, Millipedes, Sowbugs, Aphids, Bagworms, Whiteflies, Leafhoppers, Mites, and Flies as Listed

### FOR INSECT CONTROL IN FOOD AND NON-FOOD AREAS

For Cockroaches, Ants, Crickets, Silverfish, Fleas, Brown Dog Ticks

**ACTIVE INGREDIENTS:**

Chlorpyrifos (0,0-Dimethyl O-(3,5-Dimethyl-2-pyridyl) phosphorothioate) .....	24.00%
2,2-Dichlorovinyl dimethyl phosphite .....	6.04%
Released Compounds .....	0.46%
<b>INERT INGREDIENTS:</b> .....	69.50%
<b>TOTAL</b> .....	<b>100.00%</b>

Contains 2 lb Chlorpyrifos & 0.50 lb of Dichloro(DDVP) per Gallon \*Contains an Aromatic Parathion Distillate DURS BAN Registered Trademark Dow Chemical Company U.S.A.



#### STATEMENTS OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center immediately if possible vomiting should be induced under medical supervision. Have victim drink 1 or 2 glasses of water and induce vomiting by touching the back of the throat. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

**IF INHALED:** Remove victim to fresh air. Apply artificial respiration if indicated. Call a physician and get medical attention immediately.

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention immediately.

**FOR SKIN:** Remove contaminated clothing and wash affected area with soap and water. Get medical attention immediately.

**NOTE TO PHYSICIAN:** If signs of cholinesterase inhibition (weakness, headache, chest tightness, blurred vision, salivation, sweating, nausea, vomiting or abdominal cramps) occur, atropine by injection is antidotal. 2 PAM is also antidotal and may be administered in conjunction with atropine. \*Sachet presents an aspiration hazard. Gastric lavage is indicated if material was taken internally.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS  
EPA REG. NO. 5481-218 EPA EST. NO. 5481-CA-1

### PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Poisonous if swallowed, inhaled or absorbed through the skin or eyes. Do not get in eyes or on skin. Do not breathe fumes. Respiratory irritation through the skin. Wear natural rubber gloves, water proof protective clothing and goggles when handling, mixing or spraying. Wear a pesticide respirator (only approved by the Mining Safety and Health Administration and by the National Institute of Occupational Safety and Health under the provision of 30 CFR Part 11 for protection against chlorpyrifos and dichloro(DDVP)).

(Precautionary Statements follow on Side Panel of the label)

**NET CONTENTS 5 GALLON**

**AMVAC CHEMICAL CORPORATION**  
4100 EAST WASHINGTON BLVD  
LOS ANGELES, CALIFORNIA 90023

#### NOTE TO PHYSICIAN - POISONING SYMPTOMS

Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pin-point pupils, sweating, sweating, nausea, vomiting, diarrhea, and abdominal cramps. **TREATMENT:** Atropine is the specific therapeutic antagonist of cholinergic parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation Atropine Sulfate should be injected at 10 minute intervals, in doses of 1 to 2 milligrams until complete atropinization has occurred. Morphine is contraindicated. 2 PAM is also antidotal and may be administered in conjunction with Atropine. Clear chest by postural drainage.

Repeated exposure to cholinesterase inhibitors may without warning cause prolonged susceptibility to very small amounts of cholinesterase inhibitors. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by a blood test. This product contains an aromatic petroleum solvent. Vomiting may cause aspiration pneumonia.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not apply when weather conditions favor drift. Do not contaminate water when disposing of equipment washwaters. Use only as specified on this label.

#### PHYSICAL AND 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 label.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **STORAGE:** Store product in its original container in a cool, dry, locked place out of reach of children. **PESTICIDE DISPOSAL:** Pesticide wastes are acutely poisonous. Improper disposal of empty pesticide, spray mixture or residue is a violation of Federal law if these wastes cannot be disposed of by use according to label instructions, contact your nearest State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional Office for guidance. **CONTAINER DISPOSAL:** 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 they stay out of incineration.

**NOTICE:** This product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer and/or seller, and buyer assumes the risk of any such use.

### PESTS OUT-OF-DOORS

**General Information:** Use this product for control of certain pests on or inside surfaces of buildings and on lawns and ornamental plants, and for area control of Chiggers. Consult the following directions for dosage and application details to control the pests listed.

**PESTS ON OUTSIDE SURFACES OF BUILDINGS:** Use this product at the rate of 2 3/4 ounces per gallon of water to control Ants, Chinch Bugs, Chironomid Larvae, Earwig, Flea, Flea, Millipede, Mosquitoes, Sowbugs, Spiders, and Ticks by application as a residual spray to outside surfaces of buildings, including porches, terraces, window frames, eaves, patios, garages, refuse dumps, and other areas where these pests congregate or have been seen. Do not treat or allow the spray to contact plants, flowers, flowering plants, shrubs, trees, evergreens, etc.) In areas of possible injury Repeat treatment as needed to maintain effectiveness.

**NOTE:** To help prevent infestations of buildings by Ants, Crickets, Earwig, Millipede, and Sowbugs, (Pillbugs) treat a band of soil 6 to 10 feet wide around and adjacent to buildings, also building foundations to a height of 2 to 3 feet, where pests are active and may find entrance. Use 18 ounces (1 Pint) in 10 gallons of water and apply as a contact spray at the rate of about 10 gallons of spray mixture per 1,000 sq. ft. thoroughly and uniformly wet the band area.

### PESTS OF LAWNS, OTHER ORNAMENTAL AND RECREATIONAL TURF AREAS AND PERENNIAL TURF GRASSES GROWN FOR SEED.

Use this product to control the following pests as listed by application at the recommended dosages and in accordance with the direction given below. Dilute in enough water to obtain complete and uniform coverage of pest infested areas and apply as a contact, low pressure spray using suitable spray equipment. Thoroughly water after treatment to wash the insecticide into the soil, except as noted. For best results, the lawn should be mowed at the time of treatment.

### PEST OF ORNAMENTALS

Use this product to treat flowers, shrubs, vines, shade trees and flowering trees and evergreens found to be infested with the following pests as listed. Dilute with water according to directions given in the table and apply using suitable hand or power spray equipment as a thorough spray providing complete coverage. For best results, apply a wetting spray to both upper and lower leaf surfaces of infested limbs and trunk area. Attempt to penetrate dense foliage but avoid over-spray. Treat infested areas (Repeat) Repeat at 7 to 10 day intervals, if needed. **CAUTION:** Do not use on Asters, Clematis, Poinsettias, Rose Bushes, or Manzanita by because of possible injury to foliage.

### DOSAGES AND DIRECTIONS FOR USE ON ORNAMENTAL PLANTS

For control of Ants, Mites, Spiders, Chironomid Larvae, Earwig, Flea, Flea, Millipede, Mosquitoes, Sowbugs, Spiders, and Ticks by application as a residual spray to outside surfaces of buildings, including porches, terraces, window frames, eaves, patios, garages, refuse dumps, and other areas where these pests congregate or have been seen. Do not treat or allow the spray to contact plants, flowers, flowering plants, shrubs, trees, evergreens, etc.) In areas of possible injury Repeat treatment as needed to maintain effectiveness.	1 1/2 Gallons
For control of Chinch Bugs, Sowbugs, Spiders, Mites, Webworms, Fleas, Humped Caterpillar, and other pests on lawns, shrubs, vines, shade trees and flowering trees and evergreens found to be infested with the following pests as listed. Dilute with water according to directions given in the table and apply using suitable hand or power spray equipment as a thorough spray providing complete coverage. For best results, apply a wetting spray to both upper and lower leaf surfaces of infested limbs and trunk area. Attempt to penetrate dense foliage but avoid over-spray. Treat infested areas (Repeat) Repeat at 7 to 10 day intervals, if needed.	1 1/2 Gallons
For control of Ants, Mites, Spiders, Chironomid Larvae, Earwig, Flea, Flea, Millipede, Mosquitoes, Sowbugs, Spiders, and Ticks by application as a residual spray to outside surfaces of buildings, including porches, terraces, window frames, eaves, patios, garages, refuse dumps, and other areas where these pests congregate or have been seen. Do not treat or allow the spray to contact plants, flowers, flowering plants, shrubs, trees, evergreens, etc.) In areas of possible injury Repeat treatment as needed to maintain effectiveness.	1 1/2 Gallons
For control of Chinch Bugs, Sowbugs, Spiders, Mites, Webworms, Fleas, Humped Caterpillar, and other pests on lawns, shrubs, vines, shade trees and flowering trees and evergreens found to be infested with the following pests as listed. Dilute with water according to directions given in the table and apply using suitable hand or power spray equipment as a thorough spray providing complete coverage. For best results, apply a wetting spray to both upper and lower leaf surfaces of infested limbs and trunk area. Attempt to penetrate dense foliage but avoid over-spray. Treat infested areas (Repeat) Repeat at 7 to 10 day intervals, if needed.	1 1/2 Gallons
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**\*Dogwood Borer:** Mix 1/2 gallon in 100 gallons water (1 Quart in 50 gals) & spray trunks and lower limbs of trees when so-called eggs to emerge. Consult your local Ag. Ext. Service for the proper timing.

**\*\*Peach Tree Borer:** Use 5 3/4 fl. oz. in 3 gallons of water. Apply to Flowering trees and shrubs of the Genus "Prunus". Thoroughly spray the trunk at ground level up to the first limb. Apply as a contact wet spray 3 times May 1st, June 1st.; and July 1st. Do not treat the fruit or upper portions of the tree. (This treatment is for ornamental peach trees only)

### DOSAGES AND DIRECTIONS FOR USE ON TURF.

For control of Ants, Armyworms, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Earwig, Fleas, Grasshoppers, Ticks, and Sod Webworms. Use 1 1/2 Fl. Oz./1,000 Sq. Ft. of Turf. Use in a minimum of 5 to 10 gallons of water (1,000 sq. ft.). Spray areas first, retreat when needed. For Sod Webworm delay watering or mowing for 12 to 24 hours after treatment.

For control of Turfgrass Weevils Use 3 Fl. Oz./1,000 Sq. Ft. of Turf. Spray problem areas in Mid April and again in Mid May or as recommended by Local Agricultural Extension Service Specialists.

For control of White Grubs of European Chaffer and Japanese Beetle (Only) Use 3 to 6 Fl. Oz./1,000 Sq. Ft. of turf. Spray when grubs are actively feeding near the soil surface in late July & August or as recommended by local Ag. Ext. Serv. Specialist. Water area after treatment with 1/2 to 1 inch water to wash insecticide into soil. For Bluegrass billbugs use 3 to 6 Fl. Oz./1,000 Sq. Ft. of Turf. Spray early in the season when adults first appear. Repeat as needed.

**NOTE:** Mosquitoes, coming to rest on areas treated for control of Turf and Ornamental plant pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to circulating conditions. **Area Control of Ticks and Chiggers:** Use for non-crop areas such as roadways, footpaths, and trails, picnic and camping sites, parks and other recreational areas where these pests are present and create a nuisance or possible public health problem. Apply 1 pint per acre in sufficient water to wet all areas including low underbrush, grassy areas, weeds, and ground debris using enough spray volume to obtain thorough coverage, usually 40 to 100 gallons of water per acre. **ATTENTION:** Do not allow public use of treated areas during application or until spray has dried.

### INDOOR PEST CONTROL

#### DIRECTIONS FOR APPLICATION IN NON-FOOD AREAS

Non-food areas include: Garbage Rooms, Lavatories, Floor Drains (to sewer areas and vestibule) Offices, Locker Rooms, Machine Rooms, Butler Rooms, Garages, Mop Closets and storage (after cleaning in boiling) Use the "Maintenance Spray" rate (See Dilution Chart below) as a Spot Treatment by applying as a contact spray or with a paint brush in areas where Cockroaches are normally found. Apply to baseboard areas, a hard water pipe, surface behind and beneath sinks, Lockers, Tables, Pallets, and similar areas where insects hide or through which they may enter. Do not let spray or mist contact food, feedstuffs and water supplies. Dishes and food handling equipment should be thoroughly washed with soap and water if they have become contaminated with this product. Repeat treatment as needed for control. Do not use in serving areas while food is expected.

#### USE ONLY IN NON-FOOD AREAS

Use this product as a spot treatment for the control of Cockroaches, Ants, Crickets, Firebrats, Silverfish, Spiders, Fleas, and Brown Dog Ticks in and around residential, institutional and commercial buildings, including homes, Apartment Buildings, Hotels (Not to be used in the patient occupied areas of hospitals), Schools, and Warehouses. It may be used with water or a dilution base of a "Maintenance Spray" or Maximum Strength Spray. Follow directions for control of pests listed and repeat as needed for control.

#### DILUTION CHART

To Make this amount of Spray	Use this Amount of DURSBAN DDVP 2.50	
(Water or Dilution Oil)	For a Maintenance Spray	For a Standard Strength Spray
1 Gallon	1 1/3 Fluid Ounces	2 2/3 Fluid Ounces
3 Gallons	4	8
5 Gallons	2 2/3	13 1/3

The lower strength should be used as a maintenance spray while the maximum rate should be used to quickly reduce heavy infestations of Cockroaches, Ants, Crickets, Firebrats, Silverfish and Spiders.

**HOW TO APPLY:** Apply as a contact spray or with a paint brush to local areas where the above mentioned pests are found or normally occur, including dark corners of rooms, and closets, cracks and crevices in walls, along and behind doors, stairs, refrigerators, and cabinets; around plumbing and other utility installations. For **ANTS** apply to ant trails, see around doors and windows, where these pests may find entry.

**FOR BROWN DOG TICKS (DO NOT TREAT PETS WITH THIS PRODUCT):** Apply as a spot treatment to infested areas such as pet's bedding and resting quarters; nearby cracks and crevices, along and behind baseboards, windows, and door frames and other localized areas where pests may hide. Old pet bedding should be removed and replaced with fresh clean bedding after treatment.

**WARNING:** Use as a SPOT TREATMENT ONLY FOR INDOOR PESTS. Do not use in poultry houses or other animal building. Do not allow children or pets to contact treated surfaces until spray has dried. Remove or cover fish bowls before spraying. Test for damage to carpets & upholstery area first before applying to these surfaces.

#### FOR APPLICATION WITHIN FOOD AREAS.

**FOOD AREAS APPLICATION LIMITED TO CRACK AND CREVICE TREATMENT ONLY**

Includes areas for receiving, storage, packing (canning, bottling, wrapping, freezing, etc.) items storage and enclosed processing systems (mills, driers, edible oils, syrups.) Serving areas when food is exposed and facility in operation (see label for details.)

Use Standard Strength Spray and apply in small amounts directly into cracks and crevices using equipment capable of delivering a thin stream of insecticide directly into cracks and crevices, in points between different members of construction, between equipment legs and bases where cockroaches hide. **DO NOT** use this product in conduits, motor housings and electrical switch boxes. Care should be taken to avoid reapplying the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces.

APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING PLANTS, BUSHMENTS OTHER THAN AS A CRACK AND CREVICE TREATMENT ARE NOT PERMITTED.  
Fl. Oz. = Fluid Ounces

Not Reviewed. Registrant obliged to be in accordance with  
Federal Insecticide, Fungicide and Rodenticide Act, Section 241, Paragraph 2  
This product is not to be used for control of insects on food.