

2001/2002

(Container)



Dursban* TC

Termiticide Concentrate

- This product is not to be used in and around homes or other residential areas such as parks, school grounds, playing fields. It is not for use by homeowners or other uncertified users.
- Contains chlorpyrifos.
- SHAKE WELL BEFORE USING - STORE ABOVE 13°C.
NOTE: Crystals may form in this product if stored below 13°C. If crystals are present, warm to 21°C and shake occasionally until crystals disappear.

RESTRICTED

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

GUARANTEE: chlorpyrifos 480 g/L
REGISTRATION NO. 19477 PEST CONTROL PRODUCTS ACT

WARNING  **POISON**

MAY BE FATAL IF SWALLOWED
DANGER - EYE IRRITANT
MAY BE ABSORBED THROUGH SKIN

NET CONTENTS: 110 L

Dow AgroSciences Canada Inc.
Suite 201, 1144 - 29 Avenue N.E.
Calgary, Alberta
T2E 7P1
1-800-667-3852

*Trademark of Dow AgroSciences LLC

PRECAUTIONS

MAY BE FATAL IF SWALLOWED

DANGER - EYE IRRITANT

MAY BE ABSORBED THROUGH SKIN

Do not get in eyes, on skin or on clothing. Avoid breathing vapours and spray mist. Wash thoroughly after handling and before eating or smoking. Do not wear contaminated clothing or shoes.

CAUTION: KEEP OUT OF REACH OF CHILDREN. Do not leave mixing tank or hoses containing chemical unattended during mixing or treatment. Will cause toxic reactions or may be fatal if swallowed, inhaled or contacted with skin. Avoid breathing vapours or spray mist. Applicators must wear protective clothing inclusive of hand, foot and eye covering. A CSA-approved respirator must be used when applying chlorpyrifos. Provide adequate ventilation in an enclosed space.

PHYSICAL OR CHEMICAL HAZARDS

COMBUSTIBLE. Do not use or store near heat or open flame.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed: Do not induce vomiting. Call a physician and/or transport to medical facility.

If in eyes: Flush with flowing water immediately and continuously for 15 minutes. Get medical attention.

If inhaled: Remove to fresh air if effects occur. Get medical attention. If respiration stops, give mouth-to-mouth resuscitation.

If on skin: Immediately flush skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Discard contaminated shoes.

TOXICOLOGICAL INFORMATION

Eyes: May cause severe irritation. May cause corneal injury or burn. Stain for evidence of corneal injury. If cornea is burned, instill antibiotic steroid preparation frequently. Consult ophthalmologist.

Skin: May cause mild irritation. May cause burn with prolonged contact. May be absorbed in acutely toxic amounts.

Respiratory: May cause drunkenness. Anesthetic or narcotic effect may occur. Aspiration may cause chemical pneumonia.

Oral: Moderately toxic. May cause reaction similar to petroleum or petroleum-like solvent. Danger of chemical pneumonia must be weighed against toxicity when emptying the stomach. If lavage is performed, suggest endotracheal and/or oesophagoscopy control.

Systemic: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate degree of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes such as 2-PAM/protopam may be therapeutic if used early; however, use only in conjunction with atropine. In cases of severe poisoning use antidotes immediately after establishing an open airway and respiration.

For further information consult the Material Safety Data Sheet.

AGRICULTURAL CHEMICAL

Do not ship or store with food, feeds, drugs or clothing.

ENVIRONMENTAL PRECAUTIONS

This product is highly toxic to bees exposed to direct treatment or residue on plants. It is toxic to fish, crustaceans and birds. Keep out of lakes, streams and ponds.

STORAGE

- Do NOT store near feed or foodstuffs. This product is toxic to fish, birds and crustaceans. It is toxic to bees exposed to direct treatment or residue on plants. Keep out of lakes, streams and ponds.
- Do NOT contaminate water by cleaning of equipment or disposal of wastes. Do NOT plant food crops in soil adjacent to building where there has been a chlorpyrifos application.
- Do NOT use, pour, spill or store near heat or open flame.
- Do NOT formulate with any diluent other than clean water.

DISPOSAL

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

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(Booklet)



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DIRECTIONS FOR USE

Safe Handling Procedures

Wear suitable protective clothing when using or handling this product to help avoid exposure to eyes and skin. As a minimum, chemical worker's goggles, neoprene or natural rubber gloves and footwear, a long-sleeved shirt and long-legged pants or coveralls are recommended. To avoid breathing spray mist during application in confined areas, wear a mask or respirator of a type approved by CSA for filtering spray mists and organic vapours.

Subterranean Termites

Dursban TC termiticide for soil treatment is used to establish a barrier which is lethal to termites. The chemical emulsion must be adequately dispersed in the soil to provide a barrier between the wood in the structure and the termite colonies in the soil.

It is necessary for the effective use of this product that the service technician be familiar with current control practices including trenching, rodding, sub-slab injection and low pressure spray applications. These techniques must be correctly employed to prevent or control infestations by the subterranean termite species *Reticulitermes*. Choice of appropriate procedures includes consideration of such variable factors as the design of the structure, water table, soil type, soil compaction, grade conditions and the location and type of domestic water supplies. The biology and behaviour of the involved termite species are important factors to be known as well as suspected location of the colony and severity of the infestation within the structure to be protected. For advice concerning current control practices for specific local conditions, consult resources in structural pest control.

Site Preparation

Dursban TC termiticide can control subterranean termites only when applied after proper site preparation.

New Constructions

This product may not be used for pre- construction as of December 31, 2005.

Remove all wood and cellulose debris from property prior to erecting forms for pouring concrete. After pouring concrete slabs, walls, piers, etc. remove all framework wood from the building site. Do not use back fill containing wood or cellulose. It is important that new construction has a minimum wood-to-soil clearance of 50 cm in order to discourage termite invasion.

Mixing Instructions

Prior to mixing, inspect mixing tank, pumps, hoses and all fittings to ensure that all equipment is in good working order and that there are no leaks. Prepare a 0.5% emulsion by mixing 3.75 L Dursban TC termiticide in 370 L of water. Mix by agitation and maintain gentle continuous agitation during application period. All Dursban TC termiticide applications are to be made through a vertical rod or sub-slab injector with a pressure from 200 to 350 kPa. Do not leave the mixing tank unattended during mixing or application periods.

DURSBAN TC TERMITICIDE APPLICATION

Pre-treatment of New Construction

A 0.5% Dursban TC termiticide emulsion should be applied to the soil underneath and around concrete slabs, foundations, crawl spaces, piers, etc. so as to provide a continuous chemical barrier against termite invasion. All product is to be applied by rodding or low pressure fan spray. Flooding or percolating hose application is not permissible. Soil crawl spaces must be covered with a plastic vapour barrier after treatment and provided with adequate ventilation.

Slab on Ground

- Apply 5 L emulsion/m² under the slab, attached porches and platforms before the concrete is poured but after any forms are erected. The emulsion should be applied by rodding at 1 m intervals or low pressure fan spray.
- Apply 6 L emulsion/linear metre to the following critical areas under the slab before the concrete is poured: outside of foundation walls, under interior partition walls, under any footings and around utility services or other features that will penetrate the slab.
- If necessary to complete a chemical barrier, inject 1.5 L emulsion into voids of all unit masonry foundation walls or piers at 0.5 m intervals. Wherever possible, drill injection holes on the outside of the foundation walls. Cap voids with vapour barrier in order to seal in chemical. Seal drill holes with good quality plugs and mortar.

Basement and Crawl Space Construction

- Apply 5 L emulsion/m² under basement or crawl space slab, attached porches and platforms prior to pouring concrete but after forms are erected. The emulsion should be applied by rodding at 1 m intervals or low pressure fan spray.
- Apply 6 L emulsion/linear metre to the following critical areas under the basement slab or under a crawl space prior to construction; along outside edges of foundation walls, under interior partition walls, under or around piers, under footings, under stairway stringers, around utility services or other features that will penetrate the slab.
- Inject 1.5 L emulsion into voids of all unit masonry foundation walls or piers at 0.5 m intervals. Wherever possible, drill injection holes on the outside of the foundation walls. Cap walls or piers with vapour barrier in order to seal in chemical. Seal drill holes with plugs and mortar.
- During back filling, apply 12 L/linear metre to soil at a distance of approximately 30 cm from the outside of the foundation wall from top of footings to grade. Treat by rodding at 20 to 30 cm intervals or low pressure fan spray.
- Apply 5 L emulsion/m² to soil under crawl space by rodding at 1 m intervals. Cover treated soil with vapour barrier, provide adequate ventilation and a minimum clearance of 50 cm.

CONTROL OF CARPENTER ANTS

Dosage and Mixing Instructions

Dursban TC termiticide is recommended for use as an aqueous emulsion containing 0.5% or 1.0% chlorpyrifos. To prepare a 0.5% emulsion add 40 mL of concentrate to every 4 L of final spray mixture desired. To prepare a 1.0% emulsion add 80 mL of concentrate per 4 L of spray.

For control of carpenter ants in non-residential structures, spray a 0.5% chlorpyrifos emulsion into cracks and crevices where carpenter ants crawl and hide. To obtain a high level of control of carpenter ants, apply as a 1.0% chlorpyrifos emulsion to nesting sites. It is important to locate and treat nesting sites to achieve good control of this pest. If necessary, holes should be drilled into wall voids to reach nesting sites. It is also essential to correct conditions conducive to carpenter ant infestation prior to, or in some instances, during chemical treatment. The service technician must be trained in the biology and behaviour of carpenter ants.

RESTRICTED USE

NATURE OF RESTRICTION: For use only by licenced pest control operators authorized by provincial authority to control subterranean termite populations infesting buildings; not for sale to the general public; for use only in areas designated as being termite infested areas. Not for full barrier use (whole house post-construction).

RESTRICTED USES: For control or prevention of subterranean termite infestations in buildings or masonry structures by pest control operators licenced under provincial authority. Dursban TC as a termiticide is to be applied as a 0.5% emulsion of technical chlorpyrifos in water as a pretreatment of new construction according to the accompanying Direction for Use. Use only as much chlorpyrifos emulsion as necessary to form a continuous barrier against termite invasions. Dursban TC termiticide can be applied only after proper site preparations, including removal of all wood soil contact, have been completed. Attention should be paid to applicator safety and proper handling procedures. Consideration of the design of the structure, water table, soil type, soil compaction, grade condition and location and type of domestic water supplied will determine proper application methods. During and after treatment, clean-up of any spills is mandatory and drill holes must be properly sealed. Do not treat structures that contain cisterns or wells. Do not treat soil that is water saturated or frozen.

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