SALES PANEL

For Sale to and use by registered pest control operators only

MAXXTHOR™ 100 WATER-BASED INSECTICIDE AND TERMITICIDE
Reg. No. L8793 Act No. 36 of 1947

A suspension concentrate residual and contact insecticide for the control of subterranean wood destroying termites in and around structures and constructions and for the control of ants, fleas, flies, cockroaches and mosquitoes in household, industrial locations including food handling and food processing areas, institutional situations and/or other locations.

IRAC INSECTICIDE GROUP
CODE  3

ACTIVE INGREDIENT
Bifenthrin (pyrethroid)......................................................100 g/ L

NET VOLUME  L
UN number: 2902

REGISTRATION HOLDER
ENSYSTEX SOUTH AFRICA
Co. Reg. No. 2008/009219/07
PO Box 3391
Bedfordview
2006
TEL.: 011 894 3845
Or
TEL.: 080 367 9783

HARMFUL SKADELIK
SALES PANEL

SALES PANEL: MAXXTHOR™

™

100 WATER-BASED INSECTICIDE AND TERMITICIDE

Reg. No. L8793 Act No. 36 of 1947

WARNINGS

- Handle with extreme care.
- Toxic when swallowed and harmful if inhaled and in contact with skin.
- Mild eye and skin irritant and may cause transient tingling sensation in contact with skin.
- Toxic to bees, fish, other aquatic invertebrates and animals.
- Store under lock and key in closed original contact in a dry, cool, well ventilated area out of direct sunlight and away from food and feedstuffs.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: DO NOT allow entry into uncovered treated areas until the spray deposit has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and elbow-length PVC, neoprene or nitrile gloves and chemical resistant footwear. Clothing must be laundered after each day’s use.

Post construction, Urban Pest Management: Allow treated areas to completely dry (normally 3 to 4 hours) and ventilate buildings before re-occupying. Worker re-entry to treated areas should be restricted until the spray deposit has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist, elbow-length PVC, neoprene or nitrile gloves and chemical resistant footwear. Clothing must be laundered after each day’s use.

- Do not apply as a space spray.
- Do not spray directly on humans, pets or animals or onto surfaces where uncovered food is stored or food is prepared.
- In case of poisoning call a doctor and make this label available to him.
- Although this remedy has been extensively tested under large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal soil, climatic and
storage conditions; quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the pest against the remedy concerned as well as by the damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS

- Avoid contact with eyes and skin and do not inhale fumes of spray mist.
- Wear protective clothing, appropriate gloves and boots and face shield when handling the concentrate and protective gloves and boots, respirator and face shield during application.
- Do not eat, drink or smoke whilst applying or mixing or before washing hand and face and change of clothing.
- Wash contaminated clothing daily.
- Wash hands and face with soap and water after handling. In case of accidental contact with skin wash affected area immediately with plenty of soap and water.
- In case of accidental contact with eyes, rinse immediately with clean water for at least 15 minutes and obtain medical advice.
- When applied for the control of ants, German cockroaches, fleas, flies and mosquitoes, remove pets and aquaria.
- Prevent contamination of rivers, dams, drains and areas not under treatment.
- Clean spray equipment thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- Triple rinse the empty container in the following manner. Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsing’s to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy empty container by perforation and flattening and never use for any other purpose.
- Prevent contamination of food, feed, eating utensils and drinking water.

SYMPTOMS OF POISONING

Overexposure may lead to bleeding from the nose, tremors and convulsions, incoordination, salivation, vomiting, diarrhea and irritability to sound and touch. Skin contact may produce sensations such as numbing, burning and tingling.

FIRST AID TREATMENT

- **Skin contact**: Remove contaminated clothing and shoes. Wash affected areas with plenty of soap and water. Do not rub skin, if irritation persists, get medical attention.
- **Eye contact**: Rinse immediately with clean water for at least 15 minutes. If irritation occurs again obtain medical advice.
- **Ingested**: Do not induce vomiting. Wash mouth with water. Contact a medical doctor or take patient to nearest hospital.
SALES PANEL

- **Inhaled:** Remove patient to fresh air. If breathing difficulty or discomfort occurs and persists, get medical attention.

24 Hour Emergency Numbers: Tygerberg Poison Centre +27 21 931 6129 or Griffon +27 82 446 8946

RESISTANCE WARNING

- For resistance management, MAXXTHOR™ 100 WATER-BASE TERMITICIDE AND INSECTICIDE, is a group code 3 insecticide. Any insect population may continue individuals naturally resistant to MAXXTHOR™100 WATER-BASE TERMITICIDE AND INSECTICIDE and other group code 3 insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by MAXXTHOR™ 100 WATER-BASE TERMITICIDE AND INSECTICIDE or any other group code 3 insecticide.

To delay insecticide resistance:

- Avoid exclusive repeated use of insecticides from the same insecticide group code.
- Alternate with insecticides from other insecticide group codes.
- Integrate other control methods (chemical, biological) into insect control programs.

For specific information on resistance management contact the registration holder of this product.

NOTE TO PHYSICIAN

There is no know antidote for acute bifenthrin poisoning. Treat symptomatically with supportive care.

DIRECTIONS FOR USE

Use only as directed.

MAXXTHOR™ 100 WATER-BASE TERMITICIDE AND INSECTICIDE is recommended as a soil treatment to prevent and control subterranean wood destroying termite infestations in and around buildings and timber installations such as telephone poles and fences. Apply MAXXTHOR™ 100 WATER-BASE TERMITICIDE AND INSECTICIDE to the soil or inject it into the soil under buildings to form a treated barrier between the timber and the subterranean termites in the soil. MAXXTHOR™ 100 WATER-BASE TERMITICIDE AND INSECTICIDE is also recommended to be applied as a surface treatment for the control of ants, cockroaches, fleas, flies and mosquitoes in household, industrial locations including food handling and food processing areas, institutional situations and/or other locations.

**Mixing instructions**

Prior to mixing, shake container thoroughly. Premix the required quantity of MAXXTHOR™ 100 WATER-BASE TERMITICIDE AND INSECTICIDE with a small amount of water in a clean bucket. Fill the spray tank half with water and add the premixed MAXXTHOR™ 100 WATER-BASE TERMITICIDE AND INSECTICIDE. Fill the spray tank with water to the required volume. Agitate the contents of the spray tank. Do not store prepared mixture.
SUBTERRANEAN WOOD DESTROYING TERMITE CONTROL

General use directions
- All the applications indicated must conform to the details set out in SANS 10124:2006. *The application of soil insecticides for the protection of buildings.*
- Do not apply to soils if excessively wet or immediately after heavy rain to avoid run-off of the termiticide.
- If more than 15 mm rain falls within 24 hours after application, the application should be repeated unless the treated soil was adequately protected against rain.
- The treated soil surface which serves as a barrier between the termites and the structure, should in all cases not be disturbed after treatment. Disturbance of the soil surface will thus damage the treated barrier, allowing termite access to the structure through disturbed areas.
- When applied prior to the construction of structures do not apply mixture until location of heat pipes, ducts, water and sewer lines and electrical conduits are known and identified. Caution must be taken to avoid puncturing and injecting into those elements.
- Apply at rates recommended. Do not apply at rates lower than indicated.
- **MAXXTHOR™ 100 WATER-BASE TERMITICIDE AND INSECTICIDE** and Insecticide will control of subterranean wood destroying termites for at least 36 months after application.

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<tr>
<th>SITUATION</th>
<th>DOSAGE PER 100 L WATER</th>
<th>APPLICATION DIRECTIONS</th>
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<tbody>
<tr>
<td><strong>PRE-CONSTRUCTION</strong> Preventive treatment</td>
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<tr>
<td>All active termite colonies situated on the site within 50 m of the perimeter of the structure should be treated (see 'Treatment of active colonies' below). The treatment of the nests of the colonies will assist in preventing termite attack on structures that will be erected on the site. All cellulose containing material (wood, paper etc.), a food source for termites, should be removed from the side before treatment. No structures i.e. floor slabs, paving etc. should be erected over termite food sources such as timber scraps left over from construction work.</td>
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<tr>
<td>1,0 L (50 mL/5 L water)</td>
<td><strong>Treatment of colonies</strong> Apply 5 L mixture to a termite nest as follows: <strong>Termite mounds</strong>: Remove the top of the mound with e.g. a spade and pour 5 L mixture into the nest. <strong>Termite mounds with 'chimneys'</strong> (e.g. Odontotermes spp): Pour 5 L mixture into all the chimneys that can be found. Divide the 5 L mixture evenly between the chimneys.</td>
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<tr>
<td>1,0 L (50 mL/5 L water)</td>
<td><strong>Treatment of foundation and service trenches and foundation walls</strong> Treat the bottom and sides of foundation and service trenches at a rate of 5 L mixture per linear meter. Service trenches that accommodate sewers, water pipes and electrical cables that enter the building must be treated for their full length inside the building. Treat all inner foundation walls on both sides and the outer</td>
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foundation walls on the inside at a rate of 5 L mixture per linear meter.

**Treatment of soil surface under floor slabs**
After the ground, has been filled and compacted but before concrete slab is cast, treat the hardcore and soil at a rate of 5 L mixture per 1 m² to where the floor will be casted. Ensure good coverage where cables and/or piping enter the structure.  
Note: Special attention must in all cases be a paid to thorough coverage along the inside of the foundation walls, indoor partition walls, around and along plumbing and electrical conduits (where applicable) and inside the cavity walls. It is imperative that the mixture shall be applied in such a way that a continuous protective layer of the building’s floor plan in achieved.

**Suspended floors**
Treat the entire surface area below the floors at a rate of 5 L mixture per 1 m². Ensure good coverage where cables and/or piping enter the structure.

**Pile and boom construction**
Treat the bottom surface of the pile and boom foundations at a rate of 5 L mixture per 1 m² after compaction and before the concrete cast.

**Unexposed soil surfaces**
Apply 5 L mixture per 1m² to the soil surfaces where paving, entrance steps, verandas, etc. will be connected to the structure.

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<td>POST CONSTRUCTION</td>
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<td>An outdoor and indoor application must be carried out for full treatment post construction corrective treatments. With corrective treatment’s it is important that the application is carried out in such a way that the termiticide is distributed in a continuous layer in the soil under existing structures. A main reason for the failure of corrective treatments is that the termiticide is not distributed in such a continuous layer and any gaps where there is no termiticide in the soil barrier are rapidly exploited by termites to gain access to the structure. This is important under solid floors where it is often difficult to get the termiticide to distribute evenly under the floor in the compacted soil.</td>
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</table>
| 1,0 mL (50 mL/5 L water) | **Outdoor perimeter treatment**  
**Trench application:** Dig a 30 cm wide and 45 cm deep trench around the exterior perimeter of the foundations. Do not dig below the sides and bottom of the trench must be adequately covered by the application. Backfill the trench with soil that has been treated with the same mixture. Compact the soil used to backfill. Treat lengths of 3 to 6 m foundation at a time in order to prevent weakening of the foundation structure.  
**Drill and inject application:** Where concrete aprons, porches, described above a perimeter drill and inject application should be of the structure. Holes must be drilled from the outside through the design of the structure is such that vertical holes, cannot be drilled through the floor along the double perimeter, then horizontal holes 30 cm apart must be drilled from the outside through the foundation wall into the soil underneath the solid floors. Flood the mixture into these holes at 100 L mixture per cubic meter soil per 30 cm depth. Seal the holes with mortar after the mixture has drained away. |
| 1,0 L (50 mL /5 L water) | **Indoor application**  
**Suspended wooden floors:** Where possible a 30 cm wide trench should be dug around the inside of the foundation walls as deep as trench must be backfilled with treated soil and the latter compacted. This treatment must be done in sections of 3 to 6 m at a time in order and the enclosing walls at a rate of 5 L mixture per m².  
If there is no access openings should be cut into the floorboards and the treatment carried out as described above. The removed section must be placed after application and sealed.  
Where there is no crawl space, holes can be drilled through the floor at regular intervals. The soil surface below the floor must be treated at a rate of 5 L mixture per m². Fill all holes with wooden dowels after application.  
**Solid Floors:** Drill holes through concrete floors around the inside perimeter of all rooms in the structure, approximately 1 m apart. Flood the mixture into these holes at 5 L per hole and seal the holes with mortar after the mixture has drained away.  
**Timber constructions:** Such as telephone and fence poles and garden huts, can be protected by treating the soil around the base of the construction with the spray mixture of 5,0 L per square meter per 30 cm soil depth. |
Apply to a depth of 15 cm below the bottom of the pole in the soil.

### II ANT, FLEA, FLY, COCKROACHES AND MOSQUITO CONTROL

**MAXXTHOR™ 100 WATER-BASE TERMITICIDE AND INSECTICIDE** is an effective residual pesticide. Ants, fleas, flies, cockroaches and mosquitoes are controlled by direct contact with the spray and also by the residual action as they come into contact with treated surfaces.

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<tr>
<th>Pest</th>
<th>Dosage rate</th>
<th>Remarks</th>
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| Ants          | 100 mL/10 L water | **Non-porous surfaces**: Apply as a course spray at the rate of 1 L of spray mixture per 20 m²  
**Porous surfaces**: apply at a rate of 1 L of spray per mixture per 10 m² |
| Fleas         |             | To control ants, apply to trails and nests.  
To control fleas, apply prepared mixture to outside surfaces of buildings and patios, garages or other areas where pest congregate or have been seen.  
To control cockroaches, flies and mosquitoes apply prepared mixture to surfaces where insects rest or harbor.  
When treating porous and non-porous surfaces, do not exceed the point of run-off.  
Re-apply applications as necessary. |
| Flies         |             |                                                                         |
| Cockroaches   |             |                                                                         |
| Mosquitoes    |             |                                                                         |