

TERMINEX 350 SC

Reg. No.: L9040 Act /Wet No. 36 of/van 1947

A suspension concentrate insecticide for the treatment of soil to protect buildings and other man made structures against subterranean wood destroying termites.

'n Suspensie konsentraat insekdoder vir grondbehandeling vir die beskerming van geboue en ander mensgemaakte strukture teen ondergrondse termiete wat hout aanval.

IRAC INSECTICIDE GROUP CODE	4A	IRAC INSEKDODER GROEP KODE
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ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL:

Imidacloprid (neonicotinoid) / Imidakloprid (neonikotiniëd) 350 g/l

Registration holder / Registrasiehouer:
ARYSTA LifeScience South Africa (Pty) Ltd
 Co. Reg. No./Mpy. Reg. Nr.: 2009/019713/07
 7 Sunbury Office Park
 Douglas Saunders
 La Lucia Ridge 4019
 Tel: 031 5145600

Contents/Inhoud
(e)

Batch No. / Lot Nr.:	
Date of manufacture: / Datum van vervaardiging:	

U.N. No. 2902



READ THE LABEL IN DETAIL BEFORE OPENING THE CONTAINER. / LEES DIE ETIKET VOLLEDIG VOORDAT DIE HOUER OOPGEMAAK WORD.
For full particulars, see enclosed leaflet. / Vir volledige besonderhede, sien ingeslote pamflet.

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Units 54/55, 61 Marshall Drive, Mount Edgecombe, 4300

Tel: 031 5389700

HARMFUL



SKADELIK

WARNINGS:

- Harmful when absorbed through the skin or swallowed or inhaled.
- Toxic to fish and wildlife.
- Store in a cool place away from food and feedstuffs.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry-interval:** do not enter treated area within 1 day after application unless wearing protective clothing.
- In case of poisoning call a doctor and show him/her this label.
- **Aerial application:** notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate adjacent areas of water.

Although this remedy has been extensively tested under a 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 method, time and accuracy of application. The registration holder furthermore does not accept responsibility for 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:

- Do not inhale spray mist or fumes.
- Avoid contact with skin and eyes.
- When mixing or applying, wear rubber gloves and boots and a face shield.
- In case of accidental skin contact or after use, wash contaminated area with soap and water.
- Wash contaminated clothing daily, separate from other washing.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face.
- Before using for other remedies, clean the application equipment and dispose of wash water where it will not contaminate crops, grazing, rivers and dams.
- Allow at least 30 seconds of drainage of empty container over the spray tank before rinsing the empty container three times with a volume of water equal to at least one

tenth (10 %) of that of the container. Add the rinsings to the spray tank before destroying the container by perforation and flattening. Never use for any other purpose.

- Avoid contamination of food, drinking water and eating utensils.

Symptoms of human poisoning:

In cases of severe poisoning, any or a combination of the following may occur: apathetic state, depressed muscle tone and/or cramps, trembling, respiratory disturbances.

FIRST AID MEASURES

- **First aid for eyes** : hold eyelids open and flush with copious amounts of water for 15 minutes. Call a physician if irritation persists or develops after flushing.
- **First aid for skin** : remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation persists. If signs of intoxication (poisoning) occur, get medical attention immediately.
- **First aid for inhalation** : first, remove victim to fresh air or uncontaminated area and keep him quiet and reassured.
- **First aid for ingestion** : Call a physician or poison control centre. Have victim rinse mouth thoroughly with water. Do not induce vomiting or give anything by mouth to an unconscious person. Treat respiratory difficulty with artificial respiration and oxygen. Do not apply direct mouth to mouth respiration. If person is alert, rinse mouth with water and give water to drink.
- **Note to physician** : No specific antidote is available. Treat symptomatically and supportively.
- Empty stomach by careful gastric lavage as soon as possible.

DIRECTIONS FOR USE: Use only as indicated.

- **TERMINEX 350 SC** should never be mixed with other chemicals.
- To avoid run-off, do not apply to excessively wet soil immediately after heavy rain.
- Do not use this product at reduced application rates.
- When used for post-construction treatment, take care to plug all drilled holes with a suitable sealant.
- To avoid damage, identify location of ducts, electrical conduits and water and sewer pipes before drilling commences.

MIXING INSTRUCTIONS

- Ensure that the spraying equipment is free from residues of any kind prior to using **TERMINEX 350 SC** for the first time.
- **Shake the TERMINEX 350 SC container vigorously before measuring off the required amount of product.**
- Pre-mix the measured amount of **TERMINEX 350 SC** in a bucket of water before decanting into a half filled spray tank.
- Continuously agitate the mixture while the spray tank is filled with water to the required level.
- Do not store unused, mixed chemical for any length of time. Prepare a fresh mix for each new job.

GENERAL DIRECTIONS

The purpose of the treatment is to attain a chemical barrier where a 50 to 100 mm thick layer of soil is drenched throughout the entire surface area of the building. For that reason, knapsack sprayers are not recommended. On smaller projects, **TERMINEX 350 SC** may be applied with watering cans, equipped with rose or fishtail fittings. It is advisable to mark watering cans used for this purpose accordingly - with poisonous substance hazard warning signs - and do not use for any other purpose.

To save time on large-scale applications, prepare the mixture in containers large enough for this purpose. The vessel should be marked with the necessary warnings signs and symbols and should not be used for any other purpose. Due to the large volumes of liquid that need to be dispensed during treatment, the use of an engine-driven centrifugal or gear pump, delivering 50 to 100 l per minute at low pressure is essential. A flexible, leak free hose of practical length can be used in conjunction with a spray nozzle capable of delivering large volumes of the prepared mixture at a steady stream - not as spray droplets.

RATES OF USE:

NOTE: ALL TREATMENTS MUST CONFORM TO SABS CODE OF PRACTICE (SANS 100124 : 2003 EDITION 3, AS AMENDED)

CONTROL OF SUBTERRANEAN WOOD DESTROYING TERMITES		
END USE	TERMINEX 350 SC DOSAGE RATE	REMARKS
PRE-CONSTRUCTION PREVENTATIVE TREATMENT (protection of buildings in the process of being erected)	72 ml/100 l water	<p>For effective pre-construction preventative treatment, trenches and the entire floor area needs to be treated BEFORE concrete is cast. Take every precaution to ensure that a continuous protective chemical barrier, 5 to 10 cm thick, of the entire floor plan of the construction is achieved.</p> <ul style="list-style-type: none"> • Foundation trenches: The mixture should be applied at a rate of 5l/m linear. Also treat the walls of the trenches. All trenches entering the building for the purpose of housing plumbing and electrical conduits, ducts as well as the inside cavity walls, must be treated in the manner described. • Concrete floors: After filling and compaction - before the concrete slab is cast - treat the soil and fillings with the prepared mixture at the rate of 5 l/m². If 15 mm or more rain falls within 24 hours of treatment, the treatment has to be repeated, unless the treated soil was sufficiently protected against such an eventuality. • Suspended floors: Treat the entire surface area below the floor at the rate of 5 l/m².

<p>POST-CONSTRUCTION CORRECTIVE TREATMENT - CONVENTONAL METHOD (protection of existing buildings)</p>	<p>72 ml/100l water</p>	<p><u>OUTDOOR APPLICATIONS</u> Corrective treatment consists of two distinct applications. Ideally both applications, TRENCHING and PERIMETER DRILLING AND INJECTION, should be carried out. if trenching is not possible, perimeter drilling & injection treatment should still be implemented.</p>
		<p>1. TRENCHING Around exterior perimeter of the foundations, dig a 150 mm wide trench, 450 mm deep, but not lower than the foundation. At a rate of 5 l/m linear, apply the prepared mixture to the bottom of the trench while backfilling with soil. The soil used for backfilling must be treated too. Treat lengths of 3 to 6 m at a time.</p>
		<p>2. PERIMETER DRILLING & INJECTION TREATMENT Where it is not possible to treat trenches in the prescribed manner due to the presence of concrete aprons, verandas and paving, a perimeter drill and injection treatment is recommended. Drill and inject the prepared product mixture at 1m intervals around the entire outside perimeter of the building. Holes must be drilled from the outside through the walls at an angle, ensuring that the mixture is applied under the floor slab. At the site of infestation within the building, drill and treat 1 to 3 holes. Inject 5 l of the mixture into all of the holes, sealing the holes with mortar once the liquid has drained sufficiently.</p>
		<p><u>INDOOR APPLICATION</u> Suspended floors: To gain access to the crawl space beneath the floor, a hole needs to be made in the floor. The best option is to trench around the inside of the foundation walls and treat as described above. Alternatively, a number of holes can be drilled through the floor at 1m intervals through which the soil underneath is treated at a rate of 5 l/m². Afterwards, seal holes using wooden dowels. Solid Floors: Drill holes of suitable size right through the concrete floors, all the way around the inside perimeter of all the rooms in the building, no more than 1 m apart. This is particularly important along the outer, weight bearing, walls. Pump the prepared mixture into these holes, one after the other, at a rate of 5 l per hole</p>

		and seal the holes with mortar once the mixture has drained sufficiently.
ROAD AND RUNWAY TREATMENT	72ml/100 l water	Application must take place before the last compaction fill at a rate of 5 l/m ² . Extend the treatment to cover the full width of the road, shoulders included.
TREATING EXISTING COLONIES	4 ml / 5 l water	Active colonies within 50 m of buildings should be eradicated. Termite mounds: After the top has been removed with a suitable tool, pour 5l of the mixture into the nest. Chimney type mounds: (e.g. <i>Odontotermes spp.</i>) Pour 5l of the mix into each of the chimneys.

Note: If termite activity persists after the initial application, a follow-up treatment may be necessary. In such a case contact the supplier for advice.

WAARSKUWINGS:

- Hanteer versigtig.
- Kan die vel en oë irriteer.
- Giftig indien dit deur die vel geabsorbeer, ingesluk of ingeasem word.
- Giftig vir visse, bye en wild.
- Berg weg van kos en voer, in 'n koel plek.
- Hou buite bereik van kinders, oningeligte persone en diere.
- In geval van vergiftiging, kontak 'n dokter en gebruik hierdie etiket as verwysing.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande; kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die plaag teen die betrokke middel, sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing, of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim van die gebruiker om etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMATREËLS:

- Vermyn inaseming van sproeinewel.
- Vermyn kontak met die vel en oë.
- Rubber handskoene, -stewels en 'n gesigskerm moet gedra word tydens vermenging en toediening.
- Was met seep en water na gebruik of toevallige velkontak.
- Was gekontamineerde klere daaglik, apart van ander wasgoed.
- Moet nie eet, drink of rook terwyl gemeng of toegedien word of voordat die hande en gesig gewas is nie.
- Voordat die toerusting weer vir ander middels gebruik word, maak dit eers skoon en gooi spoelwater weg waar dit nie gewasse, weidings, riviere en damme sal besoedel nie.
- Laat minstens 30 sekondes dreinerings van leë houer oor die spuittenk toe voordat die leë houer drie keer met skoon water uitgespoel word. Gebruik 'n hoeveelheid water wat ten minste gelykstaande is aan een tiende (10 %) van die inhoudsmaat van die houer per spoel.
- Maak die houer na elke spoel leeg in die spuittenk, voordat die houer vernietig word deur gate daarin te maak en plat te slaan. Moet nie vir enige ander doel hergebruik nie.
- Voorkom die kontaminasie van voedsel, drinkwater en eetgerei.
- Wanneer vir na-konstruksiebehandeling gebruik word, maak seker dat alle gate met 'n geskikte produk verseël word.

- Om skade te voorkom, identifiseer ligging van ventilasie-, water- en rioolpype, asook elektriese geleikanale voordat enige gate geboor word.

Simptome van menslike vergiftiging:

By ernstige vergiftiging mag enige, of 'n kombinasie van die volgende simptome voorkom: Apatiese toestand, verlaagde spierfunksie en/of krampe, bewing asemhalingsversteuring.

NOODHULPBEHANDELING:

- Verwyder die persoon vanaf die bron van vergiftiging so spoedig moontlik.
- **EERSTEHULP VIR OË:** Hou oë oop en spoel vir minstens 15 minute met skoon water. Kontak 'n dokter indien irritasie aanhou of ontstaan na spoeling.
- **EERSTEHULP VIR DIE VEL:** Verwyder besoedelde klere en was besoedelde liggaamsdele met seep en koue water. Kontak 'n dokter indien irritasie aanhou. Indien simptome van vergiftiging voorkom, kry onmiddellik mediese hulp.
- **EERSTEHULP BY INASEMING:** Eerstens, verskuif die persoon na 'n area met vars lug, vry van kontaminasie, stel hom gerus en hou hom stil.
- **EERSTEHULP BY MONDELINGSE INNAME:** Indien ingesluk, veroorsaak braking deur die agterste gedeelte van die keel te prikkel. Herhaal totdat braaksel helder is en nie langer na gif ruik nie. Pas kunsmatige asemhaling of geslote hartmassering toe indien nodig. Moet nie direkte mond-tot-mond asemhaling toepas nie. Moet nooit iets per mond aan 'n bewustelose persoon toedien nie. Neem die pasiënt onmiddellik na die naaste geneesheer..
- **NOTA AAN GENEESHEER:** Behandel simptome. Monitor bloeddruk en polsslag gereeld, aangesien hartvertraging en hipotonia kan voorkom. Gee kunsmatige asemhaling indien verlamming in tree. Addisionele maatreëls soos maagspoeling en soutpurgasie om die gif uit die liggaam te verwyder, kan gebruik word.
- **TEENMIDDEL:** Geen bekend.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

- **TERMINEX 350 SC** moet nooit met enige ander chemikalieë gemeng word nie.
- Om afloop te voorkom, moet toediening op oormatig nat grond, of onmiddellik na swaar reën, vermei word.
- Moenie dosisse meer verlaag as wat aangedui word nie.

MENGINSTRUKSIES:

- Verseker dat die toerusting vry is van enige residue voordat **TERMINEX 350 SC** vir die eerste keer gebruik word.
- **Skud die TERMINEX 350 SC-houer deeglik voordat die korrekte hoeveelheid produk afgemete word.**
- Meng die afgemete volume **TERMINEX 350 SC** in 'n emmer water voordat dit in die halfvol spuitnek gegiet word.
- Die mengsel moet gedurig geroer word terwyl die tenk met water gevul word tot die verlangde vlak.
- Moenie ongebruikte, gemengde produk bêre vir latere gebruik nie. Berei 'n vars mengsel voor vir elke nuwe behandeling.

ALGEMENE AANBEVELINGS:

Die doel van die behandeling is om 'n chemiese versperring van 50 – 100 mm dik te verkry deur 'n laag grond onder en om die gebou te deurweek met die **produkmengsel**. Vir die rede word die gebruik van rugsakspuite nie aanbeveel nie. Gieters wat toegerus is met die gewone rooskop- of visstertgietstukke kan gebruik word in

die geval van klein projekte waar beperkte opervlakktes behandel moet word. Sulke gieters moet deeglik gemerk word met die nodige waarskuwingstekens t.o.v. giftige stowwe en moet vir geen ander doel gebruik word nie.

Om tyd te spaar by groot projekte, berei die mengsel voor in houers wat groot genoeg is vir die omvang van die projek. Ook hierdie houers moet deeglik gemerk word met die nodige waarskuwingstekens en vir geen ander doel aangewend word nie. As gevolg van die groot volume vloeistof wat hanteer moet word tydens toediening, is 'n sentrifigale- of rataangedrewe pomp wat 50 tot 100 l per minuut kan lewer teen 'n lae druk, onontbeerlik. Gebruik 'n elastiese, lekkasievrye pyp van praktiese lengte in kombinasie met 'n spuitpunt wat in staat is om groot volumes vloeistof te lewer teen 'n konstante stroom – nie as 'n sproei nie.

TOEDIENINGSHOEVEELHEDE:

NOTA: ALLE TOEDIENINGS MOET VOLDOEN AAN DIE BESONDERHEDE SOOS VERVAT IN DIE SABS GEBRUIKSKODE (SANS 100124: 2003 UITGAWE 3, SOOS GEWYSIG).

BEHEER VAN ONDERGRONDSE HOUTVERNIETIGENDE TERMIETE		
GEBRUIK	TERMINEX 350 SC DOSIS	OPMERKINGS
<p>VOOR-KONSTRUKSIE, VOORKOMENDE BEHANDELING</p> <p>(Beskerming van geboue in die proses van aanbou)</p>	72 ml/100 l water	<p>Vir effektiewe voor-konstruksie, voorkomende behandeling, moet 'n sloot- en algehele behandeling gedoen word VOORDAT beton gegiet word. Tref voorsorg om te verseker dat 'n ononderbroke chemiese versperring, 5 – 10 cm dik, t.o.v. die hele vloerplan geskep word.</p> <p>Fondasieslote: Die mengsel behoort toegedien te word teen 'n koers van 5 l per lineêre meter. Behandel ook die kante van fondasieslote. Alle slote wat bedoel is om riool- en waterpype en elektriese kables te huisves, moet ten volle, binne, sowel as buite die huis, behandel word op die voorgeskrewe manier.</p> <p>Betonvloere: Nadat die grond opgevul en gekompaakteer is, maar VOORDAT die betonvloer gegiet is, behandel die grondbasis met die produkmengsel teen 'n dosis van 5 l/m². Indien 15 mm of meer reën val binne 24 uur na toediending, moet die behandeling herhaal word, behalwe indien die grond vooraf beskerm is hierteen.</p> <p>Hangvloere: Behandel die hele oppervlak direk onder die vloer teen 5 l/m².</p>
<p>NA- KONSTRUKSIE KORREKTIEWE BEHANDELING - KONVENSIONELE METODE</p> <p>(Beskerming van bestaande geboue)</p>		<p><u>BUITENSHUISE TOEDIENINGS</u> Korrektiewe behandeling bestaan uit twee afsonderlike aanwendings, SLOOTBEHANDELING EN BUITENSHUISE BOOR- EN SPIJTBEHANDELING. Die ideal is om beide slootbehandeling en boor- en spuitbehandeling toe te pas. Indien slootbehandeling nie moontlik is nie, moet buitenshuisse boor- en spuitbehandeling egter steeds plaasvind.</p>

	72 ml/100 l water	<p>1. SLOOTBEHANDELING Grawe 'n sloot, 150 mm wyd en 450 mm diep, maar nie dieper nie as die fondasie self, al om die buitekant van die gebou. Dien die voorbereide mengsel toe teen 'n koers van 5 l/m lineêr. Dien die mengsel toe in die die bodem van sloot terwyl die sloot weer opgevul word met grond. Opvul-grond moet ook behandel word. Behandel lengtes van 3 tot 6 m op 'n keer.</p> <p>2. BUITENSHUISE BOOR- EN SPUITBEHANDELING Waar dit onmoontlik is om slote te behandel vanweë die teenwoordigheid van stoepe, verandas en plaveisel, word 'n buitenshuisse boor- en spuitbehandeling aanbeveel. Boor gate op 1 m intervalle om die buitenste omtrek van die huis en spuit die voorbereide mengsel daarin. Gate moet van buite af, teen 'n hoek, deur buitemure geboor word om te verseker dat die mengsel onder die vloer gespuut kan word. By die plek van termiet-aktiwiteit, boor 1 – 3 gate. Spuit 5 l mengsel in elke gat en verseël met dagha sodra die vloeistof voldoende gedreineer het.</p> <p><u>BINNENSHUISE BEHANDELINGS</u> Hangvloere: Om toegang te kry tot die ondervloerspasie, moet 'n gat gemaak word in die vloer. Die beste opsie is om 'n sloot te grawe aan die binnekant van die fondasie en te behandel so hierbo beskryf. Alternatiewelik kan 'n aantal gate op 1 m intervalle deur die vloer geboor word. Behandel die grond onder die vloer hierdeur teen 'n dosis van 5 l/m². Verseël gate daarna met hout-tappenne. Betonvloere: Boor gate van 'n geskikte grootte reg deur die betonvloer, al om die binneste omtrek van al die vertrekke van die gebou, nie meer nie as 1 m van mekaar. Dis veral belangrik by die buitenste, gewigdraende mure. Pomp die voorbereide mengsel in die gate teen 5 l per gat en verseël met dagha sodra die vloeistof voldoende gedreineer het.</p>
PAD- EN AANLOOPBAAN-BEHANDELING	72 ml/100 l water	Toediening teen 'n koers van 5 l/m ² , moet voor die laaste kompaksie geskied. Die behandeling moet die breedte van die pad sowel as skouers, dek.

BEHANDELING VAN BESTAANDE KOLONIES	4 mℓ / 5 ℓ water	Aktiewe kolonies binne 50 m van geboue moet vernietig word. Termiethope: Nadat die bokant verwyder is m.b.v. geskikte gereedskap, giet 5 ℓ van die mengsel in die nes. Skoorsteen-hope: Giet 5 ℓ van die mengsel in elk van die skoorstene.
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Nota: Indien termiet-aktiwiteit steeds voortgaan na die aanvanklike behandeling, mag 'n herbehandeling nodig wees. Kontak die verskaffer in so 'n geval vir raad.