

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Insecticide



STRUMA 50 EC

Reg. No. L 9519 Act/Wet No. 36 of/van 1947

2:23/11/2016 – March2017

An emulsifiable concentrate contact and stomach insecticide for the control of pests in and around houses, hotels, hostels, restaurants, kitchens, food processing plants, animal dwellings, cattle pens, etc.

'n Emulgeerbare konsentraat kontak- en maaginskoder vir die beheer van plaeg in en om huise, hotelle, koshuise, restaurante, kombuise, voedselproduksie areas, diere huisvesting, krale ens.

ACTIVE INGREDIENTS / AKTIEWE BESTANDELE

lambda-cyhalothrin (pyrethroid)	25 g/l	lambda-sihalotrien (piretroïed)
flufenoxuron (benzoylurea)	25 g/l	flufenoksuron (bensoïelurea)

IRAC INSECTICIDE GROUP CODE **3** IRAC INSEKODODER GROEPKODEIRAC INSECTICIDE GROUP CODE **15** IRAC INSEKODODER GROEPKODE**villa**

PUBLIC HEALTH

Registration holder / Registrasiehouer:

Villa Crop Protection (Pty) Ltd.

Co. Reg. No. / Mpy. Reg. Nr. 1992/002474/07

PO Box / Posbus 10413, Aston Manor, 1630

Tel: 011 396 2233

Website / Webblad: www.villacrop.co.za**24 HR EMERGENCY NUMBER:****Griffon Poison Information Centre: 082 446 8946**

UN Number: 3352

**HARMFUL
SKADELIK**

Willow Set & Print 011 394-4486



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Reg. No. L 9519 Act/Wet No. 36 of/van 1947

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Registration holder / Registrasiehouer:

VILLA CROP PROTECTION (PTY) LTD

Co. Reg. No.: 1992/002474/07 Mpy. Reg. Nr.

PO Box / Posbus 10413, ASTON MANOR, 1630,

Tel. (011) 396 2233.

HARMFUL  **SKADELIK**

WARNINGS

- Handle with care
- Harmful when swallowed, inhaled or absorbed through the skin.
- Slightly irritating to the skin, moderately irritating to the eyes.
- Toxic to fish and other aquatic life. Also harmful to wildlife.
- Do not spray directly onto food.
- Store away in the original tightly closed box under lock and key in a cool, dry place away from food, feeds and drinking water.
- Keep out of reach of children, uninformed persons and animals.
- Do not apply to surfaces where food is prepared or handled.
- Allow spray to dry on treated surfaces before re-entering.
- **In case of poisoning call a doctor and make this label available to him/her.**

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. 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, 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

- Avoid inhalation of the spray mist.
- Avoid eye and skin contact.
- Cover food, food preparing equipment and eating utensils before application.
- Wear protective clothing (overalls with long sleeves), gloves, mask that covers nose and mouth and face shield when applying pesticide indoors. Avoid contact with spray as much as possible.
- Wash with water in the event of accidental eye contact.
- Wash with soap and water after use or in the event of accidental skin contact.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke whilst handling this product or before washing hands and face and change of clothing.
- Avoid spray drift onto fishponds and fish tanks/bowls.
- Use appropriate containment to avoid environmental contamination.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Mattresses, bedding and furniture must be completely dry before using.
- Do not handle treated fabrics until dry and air thoroughly before use.

- In continuously occupied areas, use only as a band, spot or crack and crevice treatment. Do not apply to clothing or bedding. Unprotected persons and animals must be kept away from treated areas until surfaces are dry.
- **TRIPLE RINSE** empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow draining 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 a third of the volume of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.
- Thoroughly clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes and fishponds.
- Destroy the empty container by perforation and flattening and dispose of it in a safe way.
- **Never** re-use the empty container for any other purpose.
- Re-entry: Do not enter treated area within 1 hour after treatment unless wearing protective clothing.

SYMPTOMS OF HUMAN POISONING

No cases of poisoning have been described in the general population and none from occupational exposure. However, symptoms that may arise if the product is mishandled and overexposure occurs are: nausea, vomiting, diarrhoea, abdominal pain, ataxia, unsteady gait, hyperexcitability, salivation, tremors and incontinence. Larger doses may cause convulsions and loss of consciousness.

FIRST AID TREATMENT

- Skin: Remove contaminated clothing, shoes and leather goods. Wash skin gently and thoroughly with cold water and non-abrasive soap. Do not rub the skin. Apply olive oil to affected areas for prompt relief. Get medical attention if irritation occurs and persists.
- Eyes: Rinse eyes with clean water for at least 20 minutes. If irritation occurs and persists, obtain medical attention.
- Inhalation: If vapours or mists have been inhaled and irritation has developed, remove the source of contamination or move victim to fresh air. If breathing difficulty or irritation occurs and persists, obtain medical attention.
- Ingestion: Have victim rinse mouth thoroughly with water. Have person sip a glass of water if able to swallow. **Do not induce vomiting, due to aromatic solvent. Obtain medical advice immediately.** Never give anything by mouth to an unconscious person. Treat respiratory difficulty with artificial respiration and oxygen. Qualified medical personnel must perform administration of oxygen.

NOTE TO PHYSICIAN

STRUMA 50 EC contains a pyrethroid and a benzoylurea insecticide. This product is of low toxicity by oral and dermal routes. Poisoning is unlikely to occur. Treat according to symptoms (decontamination, vital functions), no known specific antidote exists.

RESISTANCE WARNING

STRUMA 50 EC is a group code 3 & 15 insecticide. Any insect population may contain individuals naturally resistant to **STRUMA 50 EC** and other group code 3 & 15 insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **STRUMA 50 EC** or any other group code 3 & 15 insecticides.

To delay insecticide resistance:

- avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank mix with products from different insecticide group codes,
- integrate other control methods (chemical, cultural, biological) into insect control programmes.

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

Product information:

- **STRUMA 50 EC** is an emulsifiable concentrate contact and stomach insecticide that act on two levels. The **Lambda-cyhalothrin** induces hyperexcitation and death by interference of the nervous system, the **Flufenoxuron** causes inhibition of the chitin synthesis during the moulting process. Due to the inhibition of the chitin synthesis, the larvae of pest species cannot proceed to any further developmental stages.
- **STRUMA 50 EC** can be used for general public health (e.g. Mosquitoes, Flies, Cockroaches, Bedbugs, Fleas, Fish moths, Ants, Hide- and Skin beetles and larvae and Mealworm (Litter) beetle and larvae).

- **STRUMA 50 EC** may be used as a residual spray and/or spot or crack and crevice treatment for the control of above pests around buildings and houses, commercial, public and industrial premises.

DIRECTIONS FOR USE: Use only as directed.

Compatibility:

STRUMA 50 EC should be applied as a solo product and **NOT** in mixtures with any other products.

Mixing instructions:

- **Shake the STRUMA 50 EC container well before use.**
- Half fill the spray tank with clean water and add the appropriate volume of **STRUMA 50 EC** to the required volume of clean water and agitate.
- Fill the spray tank with water to the required level while maintaining agitation.
- Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

Application:

- Apply to walls, floors and other areas frequented by pests.
- Application rate is dependent on level of infestation and species to be controlled.
- Apply using any conventional manual or power sprayers equipped to produce a coarse spray, and that are in good working order and correctly calibrated to give the desired coverage for that particular method of application.
- Apply immediately after mixing and ensure that non-target areas are not contaminated.
- Avoid fine droplets or spray mist, especially when applied indoors.
- Maintain agitation while spraying.

APPLICATION RATES

IMPORTANT: Refer to “NOTE” below for expected periods of control on different treated surfaces.

Pests	Dosage rate	Remarks and pests controlled
<u>General public health</u> Brown house ants (<i>Pheidole megacephala</i>) Bedbugs (<i>Cimex lectularius</i>) American & German cockroaches (<i>Periplaneta americana</i> & <i>Blattella germanica</i>) Fish moths (<i>Ctenolepisma</i> <i>longicaudata</i>) Cat fleas (<i>Ctenocephalides felis</i>) House flies (adults) (<i>Musca domestica</i>) Lesser housefly (<i>Fannia canicularis</i>) Stable flies (adults) (<i>Stomoxys calcitrans</i>)	60 ml per 5 litres water 5 litres of this mixture will treat approximately 100 m ²	Apply to cracks, crevices and other frequented areas where these insects may hide and on surfaces over which they may crawl or settle. Apply to point of run-off as a coarse spray or with a paintbrush to cracks. Reapply if required.

<i>Pests</i>	<i>Dosage rate</i>	<i>Remarks and pests controlled</i>
<u>Hide and skin beetles</u> <i>(Dermestes maculatus)</i> Larvae & adult beetles	60 ml per 5 litres water	Hides and skins: <ul style="list-style-type: none"> - Wet all parts completely. - Re-apply every 3 months or as required. Warehouse floors, walls and other surfaces: <ul style="list-style-type: none"> - Apply spray mixture to the point of run-off. - Re-apply every 3 months or as required.
<u>Poultry sheds</u> Lesser Mealworm / Litter beetle <i>(Alphitobius diaperinus)</i>	60 ml per 5 litres water 5 litres of this mixture will treat approximately 100 m ²	Apply as a coarse spray to the interior surfaces of sheds. Ensure thorough wetting of the floors, walls and other surfaces. Application should be done in a 1 m wide band on all walls, and a band under feeder and water liners. Use the higher dose rate for longer lasting control or where infestation is severe. Ensure that the spray has dried before animals are introduced to the structure. A second wall band application should be done just before birds are removed from the housing. Should efficacy be poor or when re-infestation occur, use a pesticide from a different chemical mode of action group.
<u>Gardens and outside structures</u> Crickets	60 ml per 5 litres water	Apply spray mixture at a rate of 0.5 litres per 10 m ² around areas where crickets breed. Direct at least 50 ml spray mixture into each hole in lawns. Can also be applied by a watering can. Repeat when necessary.