

## BASF – Sylando® 240 SC

**Labels may differ in content due to national regulatory law**

*Label affixed to container:*

### 1. Product Identification

Product name: Sylando® 240 SC

Mosquito Adulticide

A contact and stomach insecticide for the control of malaria vectors containing 240 g/l a.i. in a suspension concentrate

Manufactured and formulated by:

BASF Corporation

Agricultural Products

BASF SPARKS LLC, 14284 US

HIGHWAY 41, SPARKS, GA,

316473314, USA

Distributed by:

BASF Agro B.V. Arnhem (NL)

Freienbach Branch,

Huobstrasse 3, CH-8808

Pfäffikon SZ, Switzerland

Lot/Batch number: XXXXXXXXX

Date of Production: ddmmyy

Expiry date: ddmmyy *(it depends on the national regulatory law if either date of production or expiry date or both are mentioned)*

Net Contents: e.g. 1 L

### 2. Ingredient Statement

*Active ingredient:*

*Chlorfenapyr: 4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)*

*5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile ..... ..21.45 w/w%*

*Inert Material: ..... 78.55 w/w%*

*Total: ..... 100.00%*

*1 Liter contains 240 grams of active ingredient.*

### 3. Safety



**Precautions:**

- Prevent contamination of food, surfaces where food preparation occurs, drinking water, rivers, and feedstuffs.
- Store in original containers in secure dry storage area. Do not store below 0°C. Do not store in direct sunlight or heat.
- To Contain a spill: In case of spills, avoid contact. To confine spills, dike surrounding area or absorb with sand, cat litter, commercial clay, gel or similar absorbents
- Do not eat, drink or smoke during application or handling.
- Do not inhale fumes of spray mist.
- Do not allow for contact to treated areas until spray has dried. Allow treated surfaces to dry before replacing items.
- Remove pets, domestic animals, birds and aquaria or cover aquaria before spraying and do not allow return to treated areas until spray has completely dried. Clean up any spills or leaks.
- Wear protective clothing, face shield, boots and gloves whilst handling the product.
- Remove contaminated clothing. Then wash thoroughly and put on clean clothing.
- After use, wash hands and face with soap thoroughly and before eating, drinking, chewing gum or using tobacco.
- Rinse empty container THREE TIMES with a volume of water equal to a minimum of 10% of that of the container. Add the rinsate to the contents of the spray tank.
- Destroy empty container by perforation and flattening. Dispose of in a safe way and never use the container for any other purpose.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to aquatic organisms, birds and wildlife. DO NOT apply directly to water or to areas where surface water is present or intertidal areas below the mean high water mark. DO NOT contaminate water by cleaning of equipment or when disposing of equipment wash waters or rinsate.

**General advice:**

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

**If inhaled:** Keep patient calm, remove to fresh air, seek medical attention.

**On skin contact:** After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

**On contact with eyes:** Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**On ingestion:** Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

**Note to physician:** Treatment: Treat according to symptoms (decontamination, vital function), no

known specific antidote.

#### 4. Directions for Use for IRS

##### **DIRECTIONS FOR USE:** USE ONLY AS DIRECTED

**Compatibility:** Do not mix Sylando® 240 SC with any other chemical unless compatibility is tested. When mixing do not reduce the dose rate of chlorfenapyr

**Antagonist:** Piperonyl butoxide (PBO) acts as an antagonist to chlorfenapyr and should not be used together.

##### **General Directions:**

Sylando® 240 SC should only be used by properly trained and supervised IRS spray operators to ensure correct application, the appropriate use of chemical waste management and that proper safety precautions are followed.

Evacuate premises to be sprayed, ensuring all food, as well as furniture and surface on which food is stored, prepared or eaten is NOT exposed to the spray. Cage or tether pets and domestic animals away from the house. After application, the applicator is required to check for spills or leaks. All spills and leaks resulting in the deposition of the insecticide in locations other than those prescribed on this label must be cleaned up prior to leaving the application site. DO NOT allow people or pets and birds to contact contaminated areas or to reoccupy contaminated areas of the structure until the cleanup is completed and spray has completely dried up.

##### **Instructions for preparing spray mix:**

1. Fill hand-pressurized or power application equipment with ½ or ¾ of the required amount of water
2. Measure the required amount of Sylando® 240 SC.
3. Add Sylando® 240 SC to the sprayer and fill with the remainder of water
4. Close Sprayer and agitate to ensure proper suspension
5. Re-agitate sprayer before use if spraying is interrupted

Prepared spray mixture must not be left in the spray tank

**Workers safety:** Wear protective clothing, face shield, boots and gloves whilst handling the product. Follow standard operation procedures for indoor residual spray (IRS) such as published by WHO/FAO

**Application Equipment.:** Sylando® 240 SC should be applied with a compression sprayer complying with established WHO specifications for IRS application fitted with a flat fan nozzle suitable for residual applications and control valves (see Table 1).

**Application:** Ensure spray is thoroughly mixed before spraying. Apply Sylando® 240 SC to provide

an even coverage to all inside walls and ceilings of houses and outside eaves. As part of an effective vector control program, all houses in the area should be sprayed. Spraying activity should be completed just prior to seasonal transmission of malaria. The spray suspension is applied to just before point of runoff, equivalent to the rate of 1 L spray mix per 25 m<sup>2</sup> on most surfaces (see Table 1) by always beginning spraying at the top of the swath, moving down and then up from left hand side of towards the right hand side of the area to be sprayed.

For application on absorbent surfaces (mud, unpainted cement, plywood etc.):

Use an 8002 nozzle for a target application rate of 757 ml spray mix per minute. Pressurize tank to 30-55 psi. Reestablish pressure when tank reaches 30 psi or as needed to ensure discharge when using a control flow valve. Maintain a distance of 45 cm from the tip of the nozzle to application surface. Overlap swaths by 5 cm. Applicators should target a spray wand pace of 2.2 sec/linear meter.

Mix 260 ml of Sylando® 240 SC in water to a total volume of 10 L and apply diluted product per 250 m<sup>2</sup> surface (40 ml/m<sup>2</sup>).

For application on non-absorbent surfaces (painted surfaces)

Use an 8001 nozzle for a target application rate of 378 ml spray mix per minute. Pressurize tank to 30-55 psi. Reestablish pressure when tank reaches 30 psi. Maintain a distance of 45 cm from the tip of the nozzle to application surface. Overlap swaths by 5 cm. Applicators should target a spray wand pace of 2.2 sec/linear meter.

Mix 520 ml of Sylando® 240 SC water to a total volume of 10 l and apply diluted product per 500 m<sup>2</sup> surface. Spray to the point of runoff.

Follow recommended mixing directions for addition of Sylando® 240 SC to spray tanks. Close spray tank and shake well before use (shake periodically for approximately 3-5 minutes to ensure that the suspension is completely suspended to prevent possible filter and nozzle clogging and to provide a more homogenous mixture.

**TABLE 1.**  
**Indoor Residual Spray (IRS) against Mosquitoes (including Malaria Vectors)**

To Achieve Target Dosage of 250 mg a.i./m <sup>2</sup>	Amount of Formulation and Dilution(ml/ l)	Surface (m <sup>2</sup> )
Absorbent surfaces (8002 nozzle): mud, unpainted cement, etc.	260 ml and water up to 10 L total volume	250 m <sup>2</sup>
Non-absorbent surfaces (8001 nozzle): painted surfaces etc.	520 ml and water up to 10 L total volume	500 m <sup>2</sup>

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

## **5. Product Claims**

Sylando® 240 SC, with the active ingredient chlorfenapyr, is a pyrrole insecticide whose unique mode of action is to disrupt respiratory pathways in the mitochondria of insects, causing paralysis and death. Sylando® 240 SC is recommended for the control of mosquitoes.

Malaria Vector Control: Sylando® 240 SC is recommended for Indoor residual Spray (IRS) with a residual control over 12 months. When applied as a surface spray Sylando 240 SC offers long residual activity. To obtain best results all inside surfaces except the floor should be treated.