



Tempo
EW

INSECTICIDE

IRAC INSECTICIDE GROUP CODE 3A

Reg. No. L3174 Act No. 36 of 1947
Namibian Reg. No. N-AR 1616

Before using this product read the label carefully.

An emulsion oil in water concentrate of a pyrethroid insecticide with good knockdown, flushing action and long lasting residual activity. For the control of the listed flying and crawling public health pests. Suitable for use as a residual contact spray, and in enclosed areas as a cold or hot fog. Can be used for the treatment of mosquito nets.

ACTIVE INGREDIENT:
Cyfluthrin (pyrethroid)..... 50 g/l

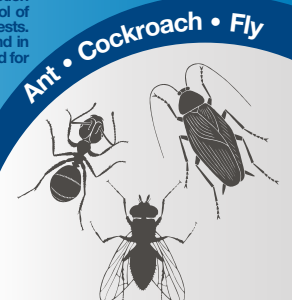
REGISTRATION HOLDER:
Bayer (Pty.) Ltd.
Reg. No. 1968/011192/07
P.O. Box 143, ISANDO 1600,
SOUTH AFRICA TEL: (011) 921 5911

TEMPO® is a registered trademark of the Bayer Group.

UN No. 3082

85356119C / 1019

500 ml





HARMFUL
SKADELIK





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Batch no.: See container
Date manufactured: See container
Shelf-Life: 2 years after date of manufacture

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500 ml



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DISCLAIMER:

ALTHOUGH THIS PRODUCT HAS BEEN EXTENSIVELY TESTED UNDER A LARGE VARIETY OF CONDITIONS, FAILURE THEREOF MAY ENSUE AS A RESULT OF A WIDE RANGE OF REASONS. IF THIS IS SUSPECTED, KINDLY NOTIFY THE REGISTRATION HOLDER.

WARNINGS:

Handle with care - poisonous by inhalation, contact and swallowing.

Toxic to fish, bees and wildlife.

Keep out of reach of children, animals and uninformed persons.

May cause irritation of the skin, eyes, mucous membranes and skin sensitization.

Store away from food and feedstuffs, in a safe cool place and away from direct sunlight.

In case of poisoning call a doctor and make this label available to him.

Do not apply **Tempo® EW** mixture onto or near rugs, draperies, wallpaper or materials that may easily be stained or water-marked, unless it has been proven safe on such materials.

Prior fogging, close all doors, vents and windows and keep these closed for 1 hour after application. After this period, thoroughly air premises for 1 hour before re-entering.

Note: When applied as a fog, use only in enclosed areas of approximately 100 m³ having a minimum height of 3 meters.

Note: **Tempo® EW** is not intended for use directly on grain or onto bagged commodities.

PRECAUTIONS:

Do not inhale fume spray mist. When applying as a fog, wear full protective clothing and respirator.

Do not use in the presence of persons with known sensitivity to pyrethroids.

In the case of signs of sensitivity, obtain medical advice.

Wash clothing after the day's work.

Wash immediately with soap and water after accidental skin contact.

Do not eat, drink or smoke whilst mixing, applying or before washing hands and face.

Prevent contamination of food, feedstuffs, food utensils and drinking water, and do not allow to settle on surfaces with which food and feedstuffs will come into direct contact.

Prevent contamination of clothing, materials, towels, nappies, etc. which may come into direct contact with the skin.

Clean applicator after use and do not leave pesticide mixture standing in applicators overnight.

Rinse empty container three times with a volume of water equal to at least one tenth of that of the container and add the rinsings to the contents of the tank before disposing of the container in the prescribed manner.

Destroy empty container and do not re-use.

SYMPTOMS OF POISONING

Local: Skin and eye paraesthesia which may be severe, usually transient with resolution within 24 hours; eye and mucous membrane irritation; cough.

Systemic: Discomfort in the chest, bronchial hypersecretion, pulmonary oedema, tachycardia, low blood pressure, palpitation, vomiting, diarrhoea, abdominal pain, nausea, salivation, dizziness, blurred vision, headache, apathy, anorexia, somnolence, coma, spasm, convulsions, tremors, ataxia, muscular fasciculation.

FIRST AID TREATMENT

Remove patient from source of poisoning to a well-ventilated area and keep him quiet and reassured. Remove contaminated clothing and rinse contaminated body area thoroughly with plenty of soap and water. After eye contact, flush contamination out of eyes with clean water and call a doctor. If swallowed do not induce vomiting. Wash out mouth with water and call a doctor immediately.

NOTE TO PHYSICIAN

Treatment:

Local treatment: After eye contact: Instillation of local anaesthetic drops e.g. 1 % Amethocaine Hydrochloride eye drops. Give Analgesics as necessary.

Systemic treatment: Endotracheal intubation and gastric lavage, followed by administration of charcoal and sodium sulphate. Monitoring of respiratory and cardiac functions - Anti-convulsive therapy: Diazepam i.v. is the remedy of choice; barbiturates, e.g. phenobarbital and calcium gluconate, may also be used. There is no specific antidote.

Contraindication: Derivatives of adrenaline and Atropine.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED.

LONG LASTING RESIDUAL SPRAY:

Tempo® EW is an effective pyrethroid insecticide for the control of public health and household insect pests. It acts mainly as a contact poison but it also has a stomach poison action. **Tempo® EW** has good knockdown and flushing activity and long lasting residual action. The length of residual action of **Tempo® EW**, as with any insecticide depends on:

1. Insect species being controlled.
2. The dosage of insecticide used.
3. The type of surface treated (e.g. non-absorbent surfaces usually give better residual action than absorbent or porous surfaces).
4. The situation (e.g. indoors or outdoors).
5. The weather conditions (e.g. rainfall, temperature).
6. The presence of dirt, grime or dust on surfaces (e.g. application to clean surfaces give better residual control).
7. Human interference with treated surfaces (e.g. washing of treated surfaces) will remove insecticide residues, lessening residual action.

In general, however, many weeks of residual control will be obtained on surfaces, treated with 40 ml **Tempo® EW** / 100 m² (20 mg cyfluthrin / m²), which are not directly exposed to sun, rainfall, etc.

RECOMMENDATIONS: (Long lasting residual spray)

PEST	DOSAGE / 10 ℓ WATER	REMARKS
Cockroaches, bedbugs, fish moths, fleas, crickets	40 ml	SHORT TERM CONTROL: This dosage to be used in areas where lasting action is not required, e.g. for treating camp sites, refuse dumps, market places, areas regularly washed, etc. Apply using 5 - 10 ℓ spray mix / 100 m² or until surface area to be treated is wet. Repeat when necessary.



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PEST	DOSAGE / 10 ℓ WATER	REMARKS
Cockroaches, bedbugs, fish moths, fleas, crickets	60 mℓ - 80 mℓ	LASTING CONTROL: This dosage range to be used in areas where long lasting residual control is required. Thoroughly treat places where pests hide (e.g. behind skirting boards, under and behind cooking equipment, sinks, cupboards, etc.), from a short distance to the point of wetness. If pest harborages are not directly accessible, spray an insecticidal barrier onto surrounding surfaces. The higher dosage (80 mℓ) should be used where infestations are severe or where longer intervals between spray applications are required. Repeat application when necessary.
Ants	40 mℓ	OUTDOORS: Apply as a drench into nests or spray directly onto foraging individuals. Repeat when necessary.
	60 mℓ - 80 mℓ	INDOORS: Apply as a residual spray to surfaces regularly criss-crossed by ants. The higher dosage (80 mℓ) should be used where infestations are severe or where longer intervals between spray applications are required. Repeat when necessary.
Flies	40 mℓ	SHORT TERM CONTROL: This dosage to be used in areas where lasting action is not required, e.g. for treating camp sites, refuse dumps, market places, areas regularly washed, etc. Apply using 5 - 10 ℓ spray mix / 100 m² or until surface area to be treated is wet. Repeat when necessary.

4.

PEST	DOSAGE / 10 ℓ WATER	REMARKS
Flies	60 mℓ - 80 mℓ	LASTING CONTROL: This dosage range to be used in areas where long lasting residual control is required. Spray surfaces where flies settle, e.g. windows, window sills, near rubbish bins, etc., until the point of wetness. The higher dosage (80 mℓ) should be used where infestations are severe or where longer intervals between spray applications are required. Repeat application when necessary. NOTE: To enhance efficacy against flies by making use of the stomach poison action of Tempo® EW and to encourage flies to settle and feed on treated surfaces, add 250 g sugar or molasses / 10 ℓ spray mix.
Mosquitoes	40 mℓ	SHORT TERM CONTROL: This dosage to be used in areas where lasting action is not required, e.g. for treating camp sites, refuse dumps, market places, areas regularly washed, etc. Apply using 5 - 10 ℓ spray mix / 100 m² or until surface area to be treated is wet. Repeat when necessary.
	60 mℓ - 80 mℓ	LASTING CONTROL: This dosage range to be used in areas where long lasting residual control is required. Spray surfaces where mosquitoes settle, e.g. dark corners, behind cupboards, under beds, etc., until the point of wetness. The higher dosage (80 mℓ) should be used where infestations are severe or where longer intervals between spray applications are required. Repeat application when necessary.

5.

IMPORTANT: Shake **Tempo® EW** well each and every time before mixing with water.

COLD OR THERMAL FOG:

Tempo® EW is a contact and stomach insecticide which, apart from its use as a contact spray, can also be used as a cold or thermal fog in suitable applicators. It can be used as a fog to control the listed flying and crawling public health pests found in homes, hospitals, hotels, schools, barracks, ships, aircrafts, food processing and handling establishments, commercial and industrial establishments, sewers, etc.

As **Tempo® EW** is a water-based concentrate which is further diluted with water prior to use in a fogger, it is non-flammable and odourless, and staining problems are minimised (see Warnings). When used as a thermal fog, visible smoke or droplets are not necessarily observed, so care must be taken to correctly calibrate the fogger so as to obtain the correct concentration / m³. In addition, water-based fogging solutions generate particles which are relatively large in size. This means that they settle within a short period of time and are recommended only for use in rooms of approximately 100 m² (6 m x 6 m x 3 m high), or in sewers where repeat applications would be required at distances of 10 m.

When the use of a residual contact spray is required to supplement fogger treatments, the application method as for 'Long lasting residual spray' should be followed. However, it should be remembered that droplets settling onto non-porous surfaces (e.g. glass, painted walls, stainless steel, etc.), will have insecticidal activity for several days.

RECOMMENDATIONS: (Cold or thermal fog)

Follow manufacturers' instructions on fogging equipment and only use equipment designed for use with water-based formulations.

PEST	DOSAGE	REMARKS
Flying insects: Flies, mosquitoes	Dilute 1 part Tempo® EW with 50 parts water (20 mℓ Tempo® EW / liter water). Use 5 mℓ of this mixture / m³ air	Disperse as a fine fog or mist through suitable hot or cold foggers. Should a few days residual action be required, use particle size large enough to moisten surfaces on which flying insects may settle (e.g. glass, painted cement etc.). In the case of long, low structures, calculate volume of air in 10 m intervals and apply required amount every 10 m.

6.



PEST	DOSAGE	REMARKS
Crawling insects: Cockroaches (American and German), bedbugs, fishmoths, fleas, ants and crickets	Dilute 1 part Tempo® EW with 50 parts water (20 mℓ Tempo® EW / liter water). Use 5 mℓ of this mixture / m³ air	Disperse as a fine mist through hot or cold foggers which can be used with water-based products. A very fine mist of fog will penetrate into cracks and crevices, flushing out the insects and killing them. A coarse mist will settle on surfaces giving a few days residual control on non-porous surfaces (skirting boards, painted surfaces, etc.). In the case of long low structures (e.g. sewers) calculate the volume of air in 10 m intervals and apply required amount every 10 m.
Confused Flour Beetle <i>Tribolium confusum</i>	Dilute 1 part Tempo® EW with 50 parts water (20 mℓ Tempo® EW / liter water). Use 5 mℓ of this mixture / m³ air	Apply as directed for above crawling insects. Only use in empty store rooms.

MOSQUITO NET TREATMENT:

Tempo® EW is an effective mosquito net impregnant which prevents mosquitoes from biting through the net.

Treated nets can be expected to remain effective for up to six months. If the nets are washed regularly on cold cycle in washing machine, it should be retreated after the 3rd - 4th wash.

Prepare the dipwash as required and do not store overnight. Excess dipwash should be poured into the ground where it will not contaminate water or grazing.

RECOMMENDATIONS: (Mosquito net treatment)

Dilute 66 mℓ **Tempo® EW** with 10 ℓ of fresh water. Place the net in the dipwash and allow to stand for a few minutes. Remove the net and place on a non-absorbent surface to dry.

Approximately 1,5 ℓ of dipwash is required per mosquito net.

Avoid excessive contact with the dipwash by wearing rubber gloves.

For any enquiry, contact Bayer Environmental Science - 011 921 5911 during office hours (9am - 5pm). For poisoning emergencies only, Griffon Poison Information Centre may also be contacted - 082 446 8946.

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www.environmentalscience.bayer.co.za
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