

1. INTRODUCTION.

An oil based pyrethrum concentrate synergized with piperonyl butoxide designed for Public Health spraying of outdoor areas.

Farutox 8/64 is not suitable for indoor spraying. It is only for sale to professional Public Health Companies, and is not for retail sale.

2. IDENTIFICATION OF THE SUBSTANCE

Product name: Farutox 8/64 – Ready to Use Product

Product type: Insecticide Concentrate

Manufacturer: Kapi Limited

3. COMPOSITION/INFORMATION ON INGREDIENTS

NAME OF INGREDIENT	FUNCTION	CONCENTRATION	CHEMICAL FORMULATION
Pyrethrins (Pyrethrins I) (Pyrethrins II)	Active ingredient	0.016 – 0.032%	C ₂₁ H ₂₈ O ₃ C ₂₂ H ₂₈ O ₅
Piperonyl Butoxide	Synergist	0.064 – 0.128%	C ₁₉ H ₃₀ O ₅
MGK 264	Synergist	0.064 - 0.128%	C ₂₅ H ₂₅ NO ₂

4. HAZARD IDENTIFICATION

Human health hazards: Skin contact may cause allergic dermatitis and if swallowed it

may cause lung damage

Safety hazards: Non-flammable

Environmental hazards: ENVIROMENTALLY HAZARD LIQUID NOS

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5. FIRST AID MEASURES

Symptoms and effects: Not expected to give rise to an acute hazard under normal

conditions of use. Under high temperature conditions, vapours irritating to the nose, throat and upper respiratory tract may be

produced.

Inhalation: Remove the affected person to fresh air, obtain medical

assistance immediately.

Ingestion: Wash out mouth with water and seek medical help immediately.

Skin: Flush contaminated skin with soap and water. Remove

contaminated clothing and soak in water. Launder before re-use.

Eyes: Flush with copious quantities of water. If irritation persists, seek

medical attention.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not inhale. Avoid contact with skin and eyes. Take off

contaminated clothing immediately.

Personal protection: Wear impermeable gloves, safety goggles, boots, overalls and

head cover. Respiration protection: normal (mechanical) exhaust.

7. FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam, extinguishing powder, carbondioxide, sand, Earth.

8. HANDLING AND STORAGE

Handling: When using do not drink, eat or smoke. When handling the product

personal protection equipment should be worn and proper handling

equipment should be used.

Storage: Use containers made from inert materials. Keep in original container.

9. EXPOSURE CONTROL/PERSONAL PROTECTION

Hygiene measures: Wash hands with soap and water before eating, drinking,

smoking and using the toilet.

Respiratory protection: Normal (Mechanical) exhaust

Hand protection: Impervious or nitrile rubber gloves

10. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Medium Viscous liquid

Odour: Characteristic vegetable smell

Colour: Pale Yellow

Solubility in water: N/A

Vapour density: Not established

11. STABILITY AND REACTIVITY

Conditions to avoid: Extreme temperatures and direct sunlight since

decomposition accurs at temperatures above 160°C.

Materials to avoid: Alkalis and alkaline materials

Hazardous decomposition products: Not expected to form during normal storage

12. APPLICATION AND USAGES

Dilution. This product has been diluted with vegetable oils and a paraffinic solvent

ready to use.

13. METHODS OF APPLICATION

· Mosquito Egg/Larvae Treatment

Application of Farutox 8/64 to areas of stagnant or still water will create a thin film of Farutox 8/64 over the surface of the water. This will kill all eggs and larvae in the water.

We recommend application by fogging or misting with a motorized knapsack sprayer

Warning: DO NOT apply to water that may be consumed by humans or livestock

DO NOT apply on fish ponds, aquariums or any body of water containing fish

life (pyrethrins are toxic to fish)

Adult Mosquito Treatment

Mosquitoes find safe harborage in grasses and bushes during the day. Treat grasses and bushes within a 200 meter radius of human habitation.

We recommend application by fogging or misting with a motorized knapsack sprayer

External Infestation of Insects

Treat the infestation by fogging or motorized knapsack sprayer. Ensure good and possibly repeated coverage of the infested area. If localized, a manual knapsack sprayer or trigger sprayer may be used.

Insect Nests

Dilute with Isoparaffins only (exclude the vegetable oils). Introduce Farutox 8/64 into the nest (localized) using a manual knapsack. Ensure very good coverage of the entire nest site, and ensure that the underground or recessed sections of the nest receive adequate Farutox 8/64

14. RATES OF APPLICATION

Public Health

Mosquito Egg/Larvae Treatment on Still/Stagnant Water

0.016% w/w Application by fogging or misting

Application Rate: sufficient to achieve a thin film of Farutox over the surface of the water.

Adult Mosquito Treatment

0.016% w/w 262 litres ready to use Farutox 8/64.

Application by Fogging or Misting

Infestations (including grasshoppers and locusts)

0.016% w/w 262 litres ready to use Farutox 8/64.

Application by fogging or misting for large areas. Mechanical knapsacks for localized infestations

Mechanical knapsacks for localized infestations

· Nests

0.032% w/w Application as required using fogging sprayer

15. GENERAL

Farutox 8/64 may be used to control all insects outside the home. Including house flies, white flies etc.

IF applying to plants or flowers please ensure that the plants are hardy as applying Farutox 8/64 to soft plants or flowers may cause Phytotoxicity

16. TOXICOLOGICAL INFORMATION

EYE EFFECT: Causes stinging sensation

SKIN EFFECTS: Mildly Irritating. May cause allergic dermatitis

INDESTION: May cause lung damage if swallowed

EFFECTS OF OVER EXPOSURE: N/E

CHEMICALS LISTED AS CARCINOGENS OR POTENTIALCARCINOGENS:

(ii) HEALTH HAZARDS

WHO classification : "Moderately hazardous"

17. ECOLOGICAL INFORMATION

Biodegradation: Highly biodegradable

Ecotoxicity Fish: Highly toxic to fish

Honey bees: Toxic to bees

Soil micro-organisms: No negative effect when applied in normal use level

18. DISPOSAL CONSIDERATIONS

Waste disposal: Wastes disposed off in accordance with the

prevailing regulations. Do not release into water

bodies.

Product disposal: As for waste disposal

Container/packaging disposal: All containers should be emptied, rinsed three times

with water and detergent then offered for recycling or reconditioning. Can be disposed off in a landfill or by other procedures permitted by law. Containers

should not be used for storing food or drinks.

19. TRANSPORT INFORMATION

PROPER SHIPPING NAME: N/A

HAZARD CLASS: N/A

DOT IDENTIFICATION NUMBER: N/A

PACKING GROUP: N/A

HMIS RATINGS: 1- Health 0- Flammability

20. REGULATORY INFORMATION

Symbols for danger: Xn – Harmful

R- phrases: R20/21/22- Harmful by inhalation, in contact with

the skin and if swallowed.

R43 – May cause allergic dermatitis

P.O.Box 252-20100, Nakuru, KENYA. Kufanya Road

Fax: +254 51 2215850 Tel: +254 51 2217134/2217228

Email: info@kapiltd.co.ke or Email: office@kapiltd.co.ke

Web: www.flowerbrand.co.ke or Web: www.kenyan-pyrethrum.com