



KAPI LIMITED

MANUFACTURERS & REFINERS

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE

Product name: FLOWER MUNONO MOSQUITO STICKS
Manufacturer: Kapi Limited

2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME OF INGREDIENT	FUNCTION	CONCENTRATION	CHEMICAL FORMULATION
Pyrethrins (Pyrethrins I) (Pyrethrins II)	Active ingredient	0.5%	$C_{21}H_{28}O_3$ $C_{22}H_{28}O_5$

3. 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

4. FIRST AID MEASURES

If poisoning is suspected regardless of the route through which pyrethrins may have entered the body immediate medical attention should be sought.

Symptoms and effects: Not expected to give rise to an acute hazard under normal conditions of use.

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

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

MATERIAL SAFETY DATA SHEET

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.

5. 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.
Clean-up methods:	If container is damaged in any way, check for any leaks and in case of leakage, transfer the contents into another suitable container.
Spillage:	Soak up with an absorbent material such as sand, earth sawdust or fuller's earth.

6. FIRE FIGHTING MEASURES

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

7. 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.

8. 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

MATERIAL SAFETY DATA SHEET

Hand protection: Impervious or nitrile rubber gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid
Odour: Characteristic vegetable smell
Solubility in water: Soluble
pH of a 1% aqueous dilution: N/A
Vapour density: Not established

10. STABILITY AND REACTIVITY

Conditions to avoid: Extreme temperatures and direct sunlight
Materials to avoid: Alkalis and alkaline materials
Hazardous decomposition products: Not expected to form during normal storage

11. 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 POTENTIAL CARCINOGENS:

(ii) HEALTH HAZARDS

WHO classification "Moderately hazardous"

12. ECOLOGICAL INFORMATION

Biodegradation: Highly biodegradable
Ecotoxicity Fish: Highly toxic to fish

MATERIAL SAFETY DATA SHEET

Honey bees:	Toxic to bees
Soil micro-organisms:	No negative effect when applied in normal use level

13. 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.

14. 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

15. 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 R65 – May cause lung damage if swallowed

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: oce@kapiltd.co.ke
Web: www.owerbrand.co.ke or Web: www.kenyan-pyrethrum.com