



## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE

Product name	Flower Home & Garden Dudu Spray
Product type	Pyrethrin based mosquito spray
Use	Repelling and killing of mosquitoes, ants, houseflies etc.
Manufacturer	Kapi Limited

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME OF INGREDIENT	FUNCTION	CONCENTRATION	CAS NUMBER
Pyrethrins (Pyrethrins I) (Pyrethrins II)	Active ingredient	0.1%	8003-34-7

### 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:	ENVIRONMENTALLY HAZARDOIOUS LIQUID N.O.S

### 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. 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.

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<b>Inhalation:</b>	Remove the affected person to fresh air, obtain medical assistance immediately.
<b>Ingestion:</b>	Wash out mouth with water and seek medical help immediately.
<b>Skin:</b>	Flush contaminated skin with soap and water. Remove contaminated clothing and soak in water. Launder before re-use.
<b>Eyes:</b>	Flush with copious quantities of water. If irritation persists, seek medical attention.

## 5. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Do not inhale. Avoid contact with skin and eyes. Take off contaminated clothing immediately.
<b>Respiration protection:</b>	Normal (mechanical) exhaust.

## 6. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Not flammable but for fire in the surrounding to extinguished by Foam, extinguishing powder, carbondioxide, sand, Earth.
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## 7. HANDLING AND STORAGE

<b>Handling:</b>	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.
<b>Storage:</b>	Store in a well ventilated area in a tightly closed original container at room temperature .

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Hygiene measures:</b>	Wash hands with soap and water before eating, drinking, smoking and using the toilet.
<b>Respiratory protection:</b>	Normal (mechanical) exhaust
<b>Hand protection:</b>	Impervious or nitrile rubber gloves

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Light flowable liquid
<b>Odour:</b>	Citronella fragrance
<b>Colour:</b>	White colour

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Solubility in water: Soluble  
pH of a 1% aqueous dilution: 6.5 - 7.0  
Vapour density: Not established

## 10. STABILITY AND REACTIVITY

Conditions to avoid: Extreme temperatures and direct sunlight since decomposition occurs at temperatures above 160°C.  
Materials to avoid: Alkalis and alkaline materials  
Hazardous decomposition products: Not expected to form during normal storage

## 11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Causes stinging sensation  
SKIN EFFECTS: Mildly Irritating. May cause allergic dermatitis  
INGESTION: May cause lung damage if swallowed  
EFFECTS OF OVER EXPOSURE: N/A  
CHEMICALS LISTED AS CARCINOGENS OR POTENTIAL CARCINOGENS:  
HEALTH HAZARDS  
WHO classification: "Moderately hazardous"

## 12. 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

## 13. DISPOSAL CONSIDERATIONS

Waste disposal: Wastes disposed of 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

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## 14. TRANSPORT INFORMATION.

DOT (ground) SHIPPING NAME: Environmentally hazardous substance, Liquid, N.O.S.  
(Pyrethrin insecticide).

UN NUMBER: 3082

HAZARD CLASS: 9

PACKING GROUP: III

REMARKS: Marine pollutant when shipped in bulk or non-bulk by water.

## 15. REGULATORY INFORMATION

This product is registered with the Pest Control Products Board (PCPB), Government of Kenya as per the Pest Control Products Act 1982.

### R-Phrases

- a) R41- Risk of serious eye damage
- b) R50- Very toxic to aquatic organisms
- c) R53- May cause long term adverse effects in the aquatic environment

### S-Phrases:

- a) S2- Keep out of reach of children
- b) S25-Avoid contact with eyes
- c) S36- In case of contact with eyes, rinse immediately with plenty of water, seek medical attention.
- d) S24 – If swallowed, seek medical advice immediately

## Legal disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements & local regulations. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Review Date: 28<sup>th</sup> / July / 2021



Kapi Limited is certified as meeting the requirements of ISO 9001:2015

