



KAPI LIMITED

MANUFACTURERS & REFINERS

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE

Product name: HOME AND GARDEN DUDU SPRAY
Manufacturer: Kapi Limited

2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME OF INGREDIENT	FUNCTION	CONCENTRATION	CHEMICAL FORMULATION
Pyrethrins (Pyrethrins I) (Pyrethrins II)	Active ingredient	0.1%	$C_{21}H_{28}O_3$ $C_{22}H_{28}O_5$

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 NOS

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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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.

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.

6. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Foam, extinguishing powder, carbondioxide, sand, Earth.
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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
Hand protection:	Impervious or nitrile rubber gloves

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Viscous liquid
Odour:	Characteristic vegetable smell
Colour:	White colour
Solubility in water:	Soluble
pH of a 1% aqueous dilution:	6.5
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 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:	
HEALTH HAZARDS	
WHO classification	"Moderately hazardous"

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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 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

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

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