

**KAPI LIMITED**  
**P.O. BOX 252**  
**NAKURU**  
**20100**

**TELEPHONE:** 051-2217134/ 2217228  
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**MATERIAL SAFETY DATA SHEET**

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**1. IDENTIFICATION OF THE SUBSTANCE**

**Product name:** Dudu-Krin Gentle Shampoo  
**Manufacturer:** Kapi Limited  
**Address:** P.O.Box 252-20100  
Nakuru  
**Contact numbers:**  
**Telephone:** 051-2217134/ 2217228  
**Fax:** 051-2215850  
**Email:** kapiltd@africaonline.co.ke

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>NAME OF INGREDIENT</b>	<b>FUNCTION</b>	<b>CONCENTRATION</b>	<b>CHEMICAL FORMULATION</b>
Pyrethrins (Pyrethrins I) (Pyrethrins II)	Active ingredient	2.84%	$C_{21}H_{28}O_3$ $C_{22}H_{28}O_5$

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**3. HAZARD IDENTIFICATION**

**Human health hazards:** Skin contact may cause allergic dermatitis and if swallowed it may cause lung damage  
**Safety hazards:** Non-flammable

**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.

**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.

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**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.

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**6. FIRE FIGHTING MEASURES**

**Suitable extinguishing media:** 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>	Use containers made from inert materials. Keep in original container.

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## 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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Viscous liquid
<b>Odour:</b>	Characteristic vegetable smell
<b>Colour:</b>	Yellow
<b>Solubility in water:</b>	N/A
<b>Vapour density:</b>	Not established

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## 10. STABILITY AND REACTIVITY

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

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## 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"

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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

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## 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.

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## 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: N/A  
N/A

HAZARD CLASS: N/A

DOT IDENTIFICATION NUMBER: N/A  
PACKING GROUP: N/A

**HMIS RATINGS:** 1- Health 0- Flammability

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## 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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