



# KAPI LIMITED

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## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE

Product name	Kilatix Dual Action
Product type	Cattle tick acaricide
Use	Extra strength acaricide for the control of ticks, mange, mites, lice & general flies in cattle, sheep, goats, pigs and camels by spraying.
Manufacturer	Kapi Limited

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME OF INGREDIENT	FUNCTION	CONCENTRATION	CAS NUMBER
Amitraz	Active Ingredient	10% w/v	33089-61-1
Cypermethrin	Active ingredient	15% w/v	52315-07-8

### 3. HAZARD IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS: EMERGENCY OVERVIEW

**CAUTION:** Harmful if swallowed or absorbed through the skin. Risk of serious damage to eyes.

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**CLASSIFICATION:** III CAUTION!

#### SIGNS AND SYMPTOMS OF SYSTEMIC EFFECTS:

**EYES:** May cause stinging, temporary irritation, tearing and blurred vision and possible eye damage depending on the duration of exposure:

**SKIN:** May cause skin irritation, burning or prickling sensation on more sensitive areas (Face, eyes, and mouth).

**SKIN ABSORPTION:** Harmful if absorbed through the skin. Indications include redness, itchiness and possible dermatitis.

**INGESTION:** Harmful if swallowed. May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pain in the stomach.

Can cause nausea and vomiting.

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**INHALATION:** Excessive inhalation may cause nasal, throat and respiratory irritation with effects including dizziness headache and possible confusion.

**CHRONIC EFFECTS:** Prolonged or repeated skin contact may lead to dermatitis.

**CARCINOGENICITY:** This product is not listed as a carcinogen by the international Agency for research on cancer (IARC), National Toxicology Program (NTP), Occupational Safety and Health Administration (OSHA) OR ACGIH. Independent and industry toxicological experts who have reviewed the data agree that the findings of the study do not indicate a health risk to human beings.

The ingredients used in this formulation are highly unlikely to cause carcinogenic effects as they are exponentially minimum and incomparable to the dosages of anticipated human dietary intakes which cause benign liver tumors.

## 4. FIRST AID MEASURES

### **SYMPTOMS/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:**

Inhalation of this product is a risk. In this event remove from exposure and perform artificial respiration if necessary. Obtain medical assistance immediately.

### **INGESTION:**

Wash out mouth with water and seek medical help immediately. Do not induce vomiting.

If vomiting occurs keep head lower than hips to help prevent aspiration. Seek medical attention if required.

### **SKIN:**

Flush contaminated skin with soap and water. Remove contaminated clothing and soak in water. Launder before re-use.

### **EYES:**

Flush eye immediately with large amounts of water or normal saline, occasionally lifting eyelids, until no evidence of chemical remains. Seek medical attention if eye irritation persists.

## 5. ACCIDENTAL RELEASE MEASURES

### **PERSONAL PRECAUTIONS:**

Mark out the contaminated area with signs and prevent access to unauthorized

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personnel. Do not discharge into drains or rivers.

## PERSONAL PROTECTION:

Wear suitable protective clothing.

## RESPIRATION PROTECTION:

Normal (mechanical) exhaust

## LEAK / SPILL:

Absorb into dry earth or sand. Transfer to a closeable labeled salvage container for disposal by an appropriate method.

## 6. FIRE FIGHTING MEASURES

### EXTINGUISHING MEDIA:

Product is flammable. Water spray, foam, dry powder or CO2 for surrounding fires

### SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

If heated, irritating vapors may be formed.

### ADVICE FOR FIRE-FIGHTERS:

Full protective equipment including self-contained respiratory protection equipment for fire fighters.

## 7. HANDLING AND STORAGE

### HANDLING:

Read and observe all precautions and instructions on the label.

### STORAGE:

Keep in a well-ventilated area. Store in a tightly closed original container at room temperature.

Do not re-use empty containers for any other purpose. Kilatix Dual Action should not be stored in direct sunlight or in damp places. Keep away from human food and animals feeds and under lock key. Keep out of reach of children.

### WORK/HYGIENIC PRACTICES:

DO NOT smoke, eat, or drink in work area. Wash thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco or using the toilet.

Remove contaminated clothing and wash clothing before reuse.

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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS:	Provide adequate ventilation
HYGIENE MEASURES:	Wash hands with soap and water before eating, drinking, smoking and using the toilet
RESPIRATORY PROTECTION:	Normal (Mechanical) exhaust
HAND PROTECTION:	Wear protective gloves (Impermeable or nitrile rubber gloves)
EYE PROTECTION:	Wear safety goggles
SKIN PROTECTION:	Wear suitable protective overalls

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
ODOUR:	Slight characteristic smell
COLOUR:	Pale Yellow to yellow brown
SOLUBILITY IN WATER:	Miscible
VAPOR PRESSURE:	0.005 Pa at 20°C (amitraz), $2.3 \times 10^{-5}$ Pa at 20°C (cypermethrin)
PH (1%):	5.5 - 7.5
SPECIFIC GRAVITY:	>0.900
FLASH POINT:	$\geq 25^{\circ}\text{C}$
BOILING POINT:	215 – 300°C
EXPLOSIVE PROPERTIES:	None reported for the ingredients used

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## 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID:	Extremes of temperature and moisture (in storage)
MATERIALS TO AVOID:	Strong oxidizing materials, strong acids
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition products include hydrogen cyanide, carbon monoxide, and nitrogen oxides. However, no thermal decomposition if used according to specifications.
REACTIVITY:	Stable under recommended transport or storage conditions.
CHEMICAL STABILITY:	Product is chemically stable
POSSIBILITY OF HAZARDOUS REACTIONS:	No polymerisation reaction expected under normal transport and storage conditions.

## 11. TOXICOLOGICAL INFORMATION

EYE EFFECT:	Irritating to eyes
SKIN EFFECTS:	Slightly irritating to skin
INGESTION:	It is harmful if swallowed
INHALATION:	Under normal use should not present a hazard. Irritation to the respiratory system may occur in sensitive individuals.

## 12. ECOLOGICAL INFORMATION

FISH	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 then offered for recycling. Containers should not be used for storing food or drinks.

## 14. TRANSPORT INFORMATION.

This product needs no special attention.

UN/IATA/ICAO specifications on transportation of AMITRAZ and CYPERMETHRIN apply.

- DOT (GROUND) SHIPPING NAME:** Environmentally hazardous substance, liquid, n.o.s. (amitraz & cypermethrin).
- UN/NA NUMBER:** UN 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 Veterinary Medicine Directorate (VMD), Government of Kenya as per Veterinary Medicines Act of 2009.

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

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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:

26<sup>th</sup> / Feb / 2024



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

