



KAPI LIMITED

MANUFACTURERS & REFINERS

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE

PRODUCT NAME: Transfluthrin 1.6% Liquid Vaporizer (LV)

MANUFACTURER: Kapi Limited

2: HAZARDS IDENTIFICATION

CLASSIFICATIONS: Insecticide liquid formulation, Class 6.1.

3. INGREDIENTS

Ingredient	Purpose	%w/w
Transfluthrin	Active ingredient	1.6
BHT	Stabilizer	1%
Perfume	Aroma	1%
Deodorised Kerosene	Solvent	96.40

4. FIRST AID MEASURES

First Aid: If poisoning occurs, immediately contact a doctor and follow the advice given. Show this Material Safety Data Sheet to a doctor.

General: In case of accident or if you feel unwell, seek medical advice immediately

Inhalation: If inhaled, and any signs or symptoms occur or persist, discontinue use and seek medical advice.

Skin: If on skin remove contaminated clothing and wash skin thoroughly with soap and water. Launder contaminated clothing before re-use. Seek medical advice if irritation develops.

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Eye: If in eyes hold eyes open and flood with water for at least 5 minutes and seek medical advice.

Ingestion: If swallowed, induce vomiting after medical advice. Wash mouth with water. Seek medical advice.

Note to Physician: Apply basic aid and decontamination procedures. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards: Flashpoint above 90°C

Extinguishing Media: Dry chemical powder, carbon dioxide. For Large fires: Water spray or foam.

Unsuitable Extinguishing: Water with full water jet.

Protective Equipment: Ensure respiratory equipment is available.

Evacuate immediate area. Wear full protective equipment, including breathing apparatus. See also Section 8.

Fire Fighting: Advise Fire Brigade of nature of hazard. Surrounding containers should be cooled using a fine water spray. All run-off must be contained.

6. ACCIDENTAL RELEASE MEASURES

Spills: Stop the source of the spill if it is safe to do so. Contain the spill to prevent further contamination of the soil, surface water, or ground water. Wear personal protective equipment as specified in Section 8. Do not allow Material to enter sewers or bodies of water.

Small Spills: Apply absorbent inert material such as soil, dry sand or vermiculite to the spill area. Sweep up material when absorption is complete and contain in a refuse vessel for disposal. If necessary, wash the spill area with an alkali detergent and water and absorb and contain as above.

Large Spills: Place leaking containers into salvaged drums. Apply absorbent inert material such as soil, dry sand or vermiculite to the spill area. Barricade around spill and in front of drains or waterways in spill vicinity, using soil or other non reactive material. Sweep up material and contain in a refuse vessel for disposal.

Disposal: Contaminated material must be disposed of in accordance with all State and/or Local regulations.

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7. HANDLING AND STORAGE

Handling: Keep out of reach of children, unauthorized persons and animals. After handling and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. For personal protection see Section 8.

Storage: Requirements Store in the closed, original container in a dry, cool, well ventilated area, out of direct sunlight. Store at ambient temperatures.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: No engineering control measures are allocated to the use of this product, however provide proper ventilation.

Exposure Limits: No exposure limits have been established for this material.

Personal Protection:

Respiratory:

Unlikely to cause danger to the respiratory system in normal use. Use in ventilated areas.

Hand: Avoid touching the wick with bare hands, Use gloves.

Eye: Avoid contact with eye. Wear protective eye gear.

Skin and Body: Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.

Other Information: If Spills, then Launder clothes before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Liquid
Colour:	Clear to yellow
Odor:	Perfume aroma
Density:	0.75to 0.85g/ml @25oC
Solubility in water:	Almost insoluble
Solubility in other solvents:	Soluble(in most organic solvents)

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage and handling conditions.
(See Section7)

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Conditions to avoid: Avoid direct sunlight.

Materials to avoid: Alkaline materials, strong oxidizers and highly acidic media.

Hazardous Decomposition: Emits toxic fumes under fire conditions. (See Section 5).

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

OralLD50: >5000mg/kgbw(Rat)

DermalLD50: >2000mg/kgbw(Rat)

InhalationLC50: >3.06mg/L(Rat)

Irritation

Skin: Not irritant(rabbit)

Eye: Not irritant(rabbit)

Sensitization: Non-sensitizing (guinea pig)

12. ECOLOGICAL INFORMATION

Do not contaminate streams, rivers or waterways with the chemical or used containers.

13. DISPOSAL CONSIDERATIONS

Product: This material in bulk or unused form, must be disposed off as a hazardous waste. Disposal should be in accordance with local, national or state regulations.

Contaminated Packaging: Puncture, or shred and bury empty containers in a local authority landfill. If not available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should NOT be burnt.

14. TRANSPORT INFORMATION

Road and Rail Transport

UN Number 3351

Class 6.1

Proper Shipping Name Pyrethroid pesticide, liquid, toxic, Flammable

Packaging Group III

Sea and Air Transport

UN Number 3351

Class 6.1

Proper Shipping Name Pyrethroid pesticide, liquid, toxic, Flammable

PackagingGroup III

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15. REGULATORY INFORMATION

Product is registered with the Pest Control Products Board Kenya. Registration no. PCPB (CR) 1582

16. OTHER INFORMATION

Date: 21ST September 2017

Abbreviations: NA–Not Applicable/Not Available

THE INFORMATION IS TO OUR BEST PRESENT KNOWLEDGE CORRECT AND COMPLETE AND IS GIVEN IN GOOD FAITH BUT WITHOUT WARRANTY.

IT REMAINS THE USER'S OWN RESPONSIBILITY TO MAKE SURE THAT THE INFORMATION IS APPROPRIATE AND COMPLETE FOR THE SPECIAL USE OF THIS PRODUCT.

USERS ARE FURTHER REMINDED OF THE POSSIBLE RISKS OF USING THIS PRODUCT FOR PURPOSES OTHER THAN THOSE FOR WHICH IT WAS INTENDED. THE COMPANY DOES NOT GUARANTEE NOR IS RESPONSIBLE REGARDING THE VARIOUS LOCAL LAWS AND PATENTS IN CONNECTION WITH USE OF THIS PRODUCT



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