



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE

Product name	Transfluthrin 1.6% Liquid Vaporizer (LV)
Product type	Mosquito Repellent
Use	Repelling and killing of mosquitoes
Manufacturer	Kapi Limited

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	FUNCTION	%w/w	CAS NUMBER
Transfluthrin	Active ingredient	1.6% w/w	118712-89-3

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 HAZARDOUS LIQUID N.O.S

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.

Laundry 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.

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

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

8. EXPOSURE CONTROL/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
Odour:	Perfume aroma
Density:	0.75to 0.85g/ml @25°C
Solubility in water:	Almost insoluble
Solubility in other solvents:	Soluble(in most organic solvents)

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10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage and handling conditions. (See Section 7)
Conditions to avoid:	Avoid direct sunlight.
Hazardous Decomposition:	Alkaline materials, strong oxidizers and highly acidic media.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral LD50:	>5000mg/kgbw(Rat)
Dermal LD50:	>2000mg/kgbw(Rat)
Inhalation LC50:	>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 of 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

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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

Packaging Group III

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: 28th / July / 2021



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

