

MATERIAL SAFETY DATA SHEET
TERMISECURE (Bifenthrin 2.5% E.C.)**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND SUPPLIER**

PRODUCT NAME	:	TERMISECURE
TECHNICAL NAME	:	Bifenthrin 2.5% E.C.
CHEMICAL GROUP	:	Synthetic Pyrethroid
RECOMMENDED USE	:	A liquid insecticide for household use
FORMULATION	:	Emulsifiable Concentrate
CORPORATE ADDRESS	:	Arbuda Agrochemicals Pvt. Ltd. 1104, Ruby Crescent Business Boulevard, Ashok Chakravarti Road, Kandivali-East, Mumbai-400101, Maharashtra, India Customer Care No- +91 9076907642 Email - info@arbudaagrochemicals.com
MANUFACTURER ADDRESS	:	Arbuda Agrochemicals Pvt Ltd Plot No-281-283, GIDC, Taluka –Talod, District-Sabarkantha, Gujarat – 383215

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient Name	CAS NO.	Percentage
Bifenthrin EC	82657-04-3	2.5%

3. HAZARDS IDENTIFICATION**Emergency Overview Caution**

Yellowish liquid with mild characteristic odor. Thermal decomposition and burning may form toxic by products. For larger exposures or fire, wear personal protective equipments. Highly toxic to fish and aquatic organisms. Keep away from drains and water sources.

Potential Health Effects

Effects from over exposure may result from swallowing, inhaling or coming in to contact the skin or eyes. Symptoms of overexposure include bleeding from the nose, tremors and convulsions. Contact with skin occasionally produces skin sensations such as rashes, numbing, burning or tingling. These skin sensations are reversible and usually subside within 12 hours.

4. FIRST AID MEASURES

- Eyes** : Wash eyes with plenty of water. If irritation continues, call a doctor.
- Skin** : Wash skin with plenty of soap and water.
- Ingestion** : Drink 1 or 2 glasses water and induce vomiting by touching the back of throat with a finger or by giving syrup of ipecac. Immediately contact physician, Poison Control or an emergency center before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person
- Antidote** : As there is no specific Antidote is known. Advice to give symptomatic treatment as per symptoms and cause.

5. FIRE-FIGHTING MEASURES

- Flash Point** : $->100$ 0C (TCC)
- Extinguishing Media** : Foam, CO₂ or dry chemical. Soft stream of water fog only if needed.
- Special Exposure Hazards** : Slightly combustible. Material may not support combustion at elevated temperatures.
- Fire Fighting Equipment** : Isolate fire area. Evacuate down wind. Wear self-contained breathing apparatus pressure and protective gears. Do not smoke gasses or vapour generated.
- Hazardous Combustion Products** : Carbon dioxide, Carbon Monoxide, Chlorine, Fluorine, Hydrogen chloride and Hydrogen fluoride.

6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately, observing precautions. Isolate hazard area Keep unnecessary and unprotected personnel from entering. Vacuum or sweep up material and place in properly labelled disposal container. Dike to confine spill and absorb with non – combustible absorbent like clay, sand or soil. Vacuum shovel or pump waste in to drum and label contents for disposal. Large spills may be neutralized with dilute solutions of soda ash or with appropriate alcohol. After removal, flush contaminated area thoroughly with water. Do not allow any material to run off in soil, drainage systems or bodies of water. Notify and consult with proper regulatory authorities.

7. HANDLING AND STORAGE**Precautions in Handling / Storage:**

It is recommended to avoid physical contact with the product and to have adequate ventilation. Avoid spillage into the eyes, or contact with bare skin or clothing.

Avoid inhaling vapours, mist. Wash hands, feet, face thoroughly after handling. Remove contaminated clothing immediately.

Handling Precautions: Avoid damage to containers. Do not handle damaged or leaking containers without protective equipment. Wash thoroughly after handling and before eating or smoking.

Storing Precautions: Store in a cool, safe, place away from feed or food-stuffs. Keep storage area free from ignition sources. **KEEP AWAY FROM CHILDRENS.**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Control

Used local exhaust ventilation at all processes locations where vapor or mist may be emitted. Ventilate all transport vehicles prior to unloading.

Eye and ace Protection - Safety goggles or face shield.

Clothing - Long sleeved shirt and long pants, shoes plus socks, chemical resistant headgear for overhead exposures.

Gloves - Wear waterproof gloves

User Safety Recommendations

Wash hands before eating, drinking, and chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change in to clean clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	:	Liquid
ODOR	:	Mild characteristic Odour
MOLECULAR WEIGHT	:	422.9
MELTING/FREEZING POINT	:	68 –71 °C.
CHEMICAL FORMULA	:	C ₂₃ H ₂₂ ClF ₂ O ₂
WATER SOLUBILITY	:	0.15 mg/l (20° C)
VAPOR PRESSURE	:	N/A
VAPOR DENSITY	:	0.567 g/ml

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY	:	Stable
HAZARDOUS POLYMERIZE	:	Product will not undergo polymerization.
CONDITIONS TO AVOID	:	Excessive heat and fire.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Oral LD 50 (rat)	:	74.90mg/kg body weight
Dermal LD 50 (rat)	:	>2000mg/kg body weight
Inhalation LC 50 (rat)	:	> 3.191 mg/l of air
Eye Irritation (rabbit)	:	Irritating
Skin Irritation (rabbit)	:	Slight irritant
Sensitization (guinea pig)	:	Weak-sensitizer

12. ECOLOGICAL INFORMATION**Environmental Summary**

This pesticide is slightly toxic to waterfowl and upland game birds. Bifenthrin is highly toxic to fish. Bifenthrin is also toxic to bees

13. DISPOSAL CONSIDERATION**Waste disposal method**

Dispose of in accordance with applicable Federal, State, local laws and regulations.

Container

Empty the container with equipment. Do not re-use the container prior to triple rinsing and cleaning. Dispose of empty containers in a sanitary landfill or incineration so as to avoid environmental or water pollution.

14. TRANSPORT INFORMATION

UN No	3349
Packaging Class and Group	6.1 and III

15. REGULATORY INFORMATION

NA

16. OTHER INFORMATION

MSDS PREPARATION DATE	01.03.2024
REVISION DATE	28.02.2026

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to Date information. The information given in this data sheet does not constitute or Replace the user's own assessment or work risk as required by other health and Safety legislation.