



CHEMET WETS & FLOWS P. LTD.

AN ISO 9001:2008; ISO 14001:2004; OHSAS 18001:2007 CERTIFIED COMPANY

G-12 Hemkoot Building, B/H LIC Office, Opp. B.M. Institute of Mental Health, Ashram Road, Ahmedabad-380009. Gujarat. INDIA.

Phone : 079-26586091, Fax : 079-26587111 Email : info@chemet.in Website : www.chemet.in

PRODUCT SAFETY DATA SHEET OF BIFETHRIN 2.5 % EC

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	NOLEX TC
Technical Name	BIFENTHRIN 2.5 % EC
Chemical Name	(2-methyl[1,1'-biphenyl]-3-yl)methyl 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethylcyclopropanecarboxylate
Chemical Family	Parathyroid
Chemical Formula	C ₂₃ H ₂₂ ClF ₃ O ₂
Supplier	CHEMET WETS & FLOWS P. LTD Plot no. 129/c/2, GIDC Estate, Ankleshwar 393002 Tel: 91-2646 239490
Manufacturer	CHEMET WETS & FLOWS P. LTD Plot no. 129/c/2, GIDC Estate, Ankleshwar 393002 Tel: 91-2646 239490
Emergency Phone No	02646-239490
Fax No	02646-220254
Environmental, Health and Safety Department	02646-239490 02646-220254
Email id	chemetank@gmail.com

2.COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	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



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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. FIRSTS 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

Remove person from exposure area to fresh air, If not breathing difficulty or discomfort occurs or persists get medical attention.

Swallowed

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

Give symptomatic treatment as per symptoms and cause.

5. FIRE-FIGHTING MEASURES

Flash Point

->100 °C (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 vapor generated.

Hazardous Combustion Products



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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 labeled 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

Handling /storage precautions

Store in a cool dry are designated specifically for pesticides. Do not store near any material Intended for use or consumption by humans or animals.

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

Physical Form

White crystalline powder

Odor

Mild characteristic odor



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Molecular Weight	422.9
Melting/Freezing Point	68 -71 °C
Solubility in water	0.15 mg/l (20° C)
Chemical Formula	C ₂₃ H ₂₂ ClFO ₂
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 CONSIDERATIONS

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.



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14. TRANSPORT INFORMATION

UN No. 3349

Packaging Class and Group 6.1 and III

15. REGULARTY INFORMATION

NONE.

16. OTHER INFORMATION

NONE.

DISCLAIMER

All reasonable care has been exercised in processing your request for information on the chemical listed in this Material Safety Data Sheet. No warranty is made, either expressed or implied and Perisseuma Projects does not hold itself liable for any injury, illness, loss or misinterpretation arising from the use of this data. CHEMET WETS & FLOWS P.LTD makes no warranty expressed or implied in respect of the adequacy of this document for any particular purpose.

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