

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

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SAFETY DATA SHEET

Bifenthrin 10% EC

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product Name:** Bifenthrin 10% EC
- **Chemical Name:** 2-Methyl-3-phenylphenyl methyl (1S,3S)-3-[(Z)-2-chloro-3,3,3-trifluoroprop-1-enyl] - 2,2-dimethylcyclopropane-1-carboxylate
- **CAS Number:** 82657-04-3
- **Product Use:** Insecticide
- **Supplier/ Manufacturer:** Cocreate Global Technologies Private Limited

SECTION 2 - HAZARDS IDENTIFICATION SUMMARY

- **Priority Identifier:** Warning
- **Hazard Classification:**
 - R43: May cause sensitization by skin contact
 - R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects
- **Safety Precautions (S-phrases):**
 - S2: Keep out of reach of children
 - S24: Avoid contact with skin
 - S28: After contact with skin, wash immediately with soap and water
 - S36/37: Wear suitable protective clothing and gloves
 - S60: Dispose of this material and container as hazardous waste

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SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage (w/w)
Bifenthrin	82657-04-3	10.0%
Inert Ingredients	N/A	Q.S.

SECTION 4 - FIRST AID MEASURES

- **If Swallowed:** Seek medical attention immediately, do not induce vomiting unless directed.
- **If on Skin:** Remove contaminated clothing, rinse with water for 15-20 minutes, seek medical advice.
- **If in Eyes:** Rinse eyes with water for 15-20 minutes, remove contact lenses if applicable.
- **If Inhaled:** Move to fresh air, provide artificial respiration if necessary, seek medical help.
- **Note to Physician:** No specific antidote, treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

- **Flash Point:** > 24°C
- **Extinguishing Media:** Foam, dry chemical, water spray
- **Fire and Explosion Hazards:** Can burn, releasing toxic gases
- **Firefighting Equipment:** Self-contained breathing apparatus recommended

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Avoid contact with skin and eyes
 - **Environmental Precautions:** Prevent entry into water sources or sewer systems
 - **Cleanup Methods:** Collect spill mechanically, dispose of appropriately
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SECTION 7 - HANDLING AND STORAGE

- **Handling Precautions:** Use protective equipment, ensure proper ventilation
 - **Storage Conditions:** Store in tightly closed containers in a cool, well-ventilated area
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SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

- **Engineering Controls:** Ensure adequate ventilation
 - **Personal Protective Equipment:**
 - **Eye Protection:** Tight-sealing safety goggles
 - **Skin Protection:** Protective clothing, gloves
 - **General Hygiene:** Wash hands before eating, avoid contamination
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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Pale yellow to brown liquid
Flash Point	> 24°C
Flammability	Flammable
Specific Gravity	0.90-0.95
Water Solubility	Emulsifiable

SECTION 10 - STABILITY AND REACTIVITY

- **Stability:** Stable under normal conditions
- **Hazardous Reactions:** None known
- **Incompatible Materials:** None known
- **Hazardous Decomposition Products:** None known

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SECTION 11 - TOXICOLOGICAL INFORMATION

- **Acute Toxicity:**
 - **Oral LD50 (rat):** 175 mg/kg
 - **Dermal LD50 (rat):** ≥ 5000 mg/kg
 - **Inhalation LC50 (rat):** 1.66 mg/L (4 hours)
- **Eye Irritation:** Moderate irritant
- **Skin Irritation:** Mild irritant
- **Sensitization:** Skin sensitizer
- **Carcinogenicity:** Not carcinogenic
- **Teratogenicity:** No birth defect risks at normal exposure levels

SECTION 12 - ECOLOGICAL INFORMATION

- **Toxicity to Aquatic Life:**
 - **Fish (Rainbow Trout):** 0.00015 mg/L
 - **Fish (Bluegill Sunfish):** 0.00035 mg/L
 - **Daphnia:** 0.00016 mg/L
 - **Algae:** ≥ 8 mg/L

SECTION 13 - DISPOSAL CONSIDERATIONS

- **Disposal:** Do not reuse empty containers, follow local regulations for disposal
- **Industrial Waste Handling:** Requires licensed disposal facilities

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SECTION 14 - TRANSPORT INFORMATION

- **UN Number:** 3351
- **Proper Shipping Name:** Organophosphorus pesticide liquid, toxic, flammable (Bifenthrin 10% EC)
- **Hazard Class:** 6.1, 3
- **Packing Group:** III
- **Marine Pollutant:** Yes

SECTION 15 - REGULATORY INFORMATION

- **WHMIS Classification:** Exempt
- **Compliance:** This MSDS meets WHMIS standards

SECTION 16 - OTHER INFORMATION

- **Hazard Symbols:** Harmful (Xn), Dangerous for the Environment (N)
- **Risk Phrases:**
 - R10: Flammable
 - R20: Harmful by inhalation
 - R25: Toxic if swallowed
 - R36: Irritating to eyes
 - R43: May cause sensitization by skin contact
 - R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects
 - R57: Toxic to bees