



## Green Vision Technical Services

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# MATERIAL SAFETY DATA SHEET (MSDS)

## Emamectin Benzoate 1.9% EC

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY

**Product Identifier:** Emamectin Benzoate 1.9% EC **Manufacturer:** Green Vision Technical Services  
**Address:** Plot No:-6, Janori, Dindori, Nashik, Maharashtra 422206 **Emergency Phone:** +91-9890550271 (24 hours) **Product Use:** Agricultural Pesticide

### SECTION 2: HAZARDS IDENTIFICATION

**⚠ WARNING:** May be harmful if swallowed. May cause eye/skin irritation. Harmful to aquatic life. Follow label directions.

**GHS Classification:** GHS07 (Irritant), GHS09 (Environment) **Label Elements:** Precautionary statements as per label

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Name:** As per product specification **Active Ingredient:** 1.9% **CAS Number:** See Certificate of Analysis **Inert Ingredients:** Balance to 100%

### SECTION 4: FIRST AID MEASURES

**Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention.  
**Skin Contact:** Wash with soap and water. Remove contaminated clothing. Seek medical attention if irritation persists. **Ingestion:** Do NOT induce vomiting. Rinse mouth with water. Seek immediate medical attention. Never give anything by mouth to an unconscious person. **Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. Seek medical attention. **Note to Physician:** Treat symptomatically. No specific antidote.

### SECTION 5: FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Water spray, foam, dry chemical, CO2 **Unsuitable Media:** None known  
**Special Hazards:** May produce toxic fumes (NOx, CO, CO2) when heated. **Fire Fighting Procedures:** Wear self-contained breathing apparatus. Move containers from fire area if safe to do so.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate PPE. Avoid contact with eyes, skin, and clothing.  
**Environmental Precautions:** Prevent entry into waterways, sewers, or confined areas. Do not contaminate water sources. **Cleanup Methods:** Contain spill. Absorb with inert material (sand, earth, vermiculite). Collect in suitable containers for disposal. Do not flush to sewer.

### SECTION 7: HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin, and clothing. Use in well-ventilated areas. Do not eat, drink, or smoke while handling. Wash thoroughly after use. **Storage:** Store in original container in cool, dry, well-

ventilated area. Keep container tightly closed. Store away from food, feed, and drinking water. Keep out of reach of children.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits:** No established occupational exposure limits **Engineering Controls:** Use adequate ventilation. Local exhaust if necessary. **Personal Protective Equipment:** • Eye/Face Protection: Safety goggles or face shield • Skin Protection: Chemical-resistant gloves (nitrile, neoprene) • Body Protection: Long-sleeved shirt, long pants, shoes with socks • Respiratory Protection: If ventilation inadequate, use NIOSH-approved respirator

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** As per Certificate of Analysis **Odor:** Characteristic **pH:** See COA **Boiling Point:** Not applicable **Flash Point:** >60°C (for EC formulations) **Density:** See COA **Solubility:** As per formulation type

## SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal storage conditions. **Conditions to Avoid:** Extreme temperatures. Direct sunlight. **Incompatible Materials:** Strong oxidizing agents, strong acids, strong bases. **Hazardous Decomposition:** Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides (when heated). **Hazardous Polymerization:** Will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** LD50 (oral, rat): >2000 mg/kg (moderately toxic) LD50 (dermal, rabbit): >2000 mg/kg LC50 (inhalation): Data not available **Skin Irritation:** May cause mild irritation **Eye Irritation:** May cause moderate to severe irritation **Sensitization:** Not a known sensitizer **Chronic Effects:** Avoid prolonged or repeated exposure. Follow label directions.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Toxic to aquatic organisms. Do not apply directly to water. **Persistence/Degradability:** Biodegradable under environmental conditions. **Bioaccumulation:** Low bioaccumulation potential. **Mobility in Soil:** Moderate to high mobility depending on soil type. **Environmental Precautions:** Do not contaminate water sources (lakes, streams, ponds). Highly toxic to bees - do not apply to blooming crops.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Dispose of contents/container in accordance with local, state, and federal regulations. **Container Disposal:** Triple rinse containers. Do not reuse empty containers. Offer for recycling if available or dispose as hazardous waste. **Pesticide Waste:** Pesticide wastes are toxic. Improper disposal is a violation of law.

## SECTION 14: TRANSPORT INFORMATION

**UN Number:** UN 3082 (liquid) / UN 3077 (solid) **Proper Shipping Name:** Environmentally Hazardous Substance, Liquid/Solid, N.O.S. **Hazard Class:** Class 9 (Miscellaneous Dangerous Goods) **Packing Group:** III **Marine Pollutant:** Yes

## SECTION 15: REGULATORY INFORMATION

**EPA Registration:** This product is an EPA registered pesticide. **FIFRA:** Registered under Federal Insecticide, Fungicide, and Rodenticide Act. **SARA Title III:** This product does not contain chemicals subject to reporting requirements. **State Regulations:** Comply with all applicable state and local regulations. **Note:** Registration does not mean EPA approval. Always read and follow label directions.

## SECTION 16: OTHER INFORMATION

**MSDS Prepared By:** Green Vision Technical Services **Issue Date:** February 2025 **Revision:** Version 1.0 **Disclaimer:** The information provided in this MSDS is correct to the best of our knowledge. The information is designed only as guidance for safe handling, use, storage, and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process.

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