



Conforms to HazCom 2012/United States

SDS

Zio

SAFETY DATA SHEET



Zio™

Fungicide

Section 1. Identification

Product name : Zio Fungicide
Other means of identification : EPA Registration Number 67690-77

Supplier's details : SePRO Corporation
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Carmel, IN 46032 U.S.A.
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Emergency telephone : INFOTRAC - 24-hour service 1-800-535-5053

The following recommendations for exposure controls and personal protection are intended for the manufacture, formulation and packaging of this product. For applications and/or use, consult the product label. The label directions supersede the text of this Safety Data Sheet for application and/or use.

Section 2. Hazards identification

GHS Classification: Not classified
Signal Word: None
Hazard Statements: None
Precautionary Statements: None
Unclassified Hazards: None
Percentage of Ingredients with Unknown Toxicity: Zero.

Section 3. Composition/information on ingredients

COMPONENT	CAS No.	%
<i>Pseudomonas chlororaphis</i> strain AFS009	-	50
Other proprietary ingredients	Trade secrets	50

Specific chemical identities and percentages of composition have been withheld as trade secrets.

Section 4. First aid measures

Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Inhalation:	Remove person to fresh air and keep comfortable for breathing. Call a poison center if you feel unwell.
Skin Contact:	If irritation develops, wash thoroughly with soap and water.
Ingestion:	No data available.
Most Important Symptoms:	May cause skin and eye irritation.
Immediate Medical Attention Needed:	None needed.

Section 5. Fire-fighting measures

Extinguishing Media: No data available.

Special hazards arising from Chemical: No further relevant information available.

Special Protective Equipment and Precautions: None known.

Section 6. Accidental release measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Take all additional action necessary to prevent and remedy the adverse effects of the spill. This product should be prevented from entering bodies of water.

Methods and Materials for Containment and Cleaning Up: In case of spill, collect material immediately. Wipe residual material from surfaces with cloth. Do not wash residues into drains or other waterways.

Section 7. Handling and storage

Precautions for Safe Handling: Avoid contact with eyes. Do not inhale.

Conditions for Safe Storage: Store in a cool, dry place in original packaging, and away from direct sunlight or heat sources.

Section 8. Exposure controls/personal protection

Exposure Limits: 5 mg/m³.

Engineering Controls: When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**Personal Protection:**

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- protective eyewear
- waterproof gloves
- shoes plus socks

Mixer/loaders and applicators must wear a NIOSH approved particulate respirator with any N, R, or P filter with NIOSH approval number prefix TC-84A; or a NIOSH approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

Section 9. Physical and chemical properties

Appearance:	Tan Powder	Odor:	Slight fermentation odor
Odor Threshold:	Not determined	Flash Point:	Not determined
Evaporation Rate:	Not determined	Flammability:	Slightly flammable. Will burn. Class 1.
Vapor Pressure:	Not determined	Melting Point:	Not determined
Relative Density:	0.363g/cm ³	Boiling Point:	Not determined
Solubility in water:	Not determined	Vapor Density:	Not determined
Flammability Limits:	Not determined	Viscosity:	Not determined
Auto-Ignition Temp:	450°C	pH:	7
Partition Coefficient:	Not determined	Decomposition Temp:	Not determined

Section 10. Stability and reactivity

Reactivity:	No data available.
Stability:	No data available.
Hazardous Polymerization:	No data available.
Conditions to avoid:	None known.
Incompatibility:	None known.
Hazardous Thermal Decomposition Products:	No data available.

Section 11. Toxicological information

Inhalation:	None
Skin Irritation:	None
Eye Irritation:	May cause eye irritation
Ingestion:	None
Sensitization:	No data available
Carcinogenicity:	No ingredients are listed by NTP, OSHA, or ACGIH as a carcinogen

Section 12. Ecological information

This product may be toxic to bees and other pollinating insects exposed to direct treatment. Do not apply this product while bees or other pollinating insects are actively visiting the treatment area. This product may be toxic to certain nontarget terrestrial arthropods. Minimize spray drift away from target area to reduce effects to nontarget insects. For terrestrial uses - Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Section 13. Disposal considerations

Do not reuse empty container. Wrap container and put in trash.

Section 14. Transport information

Not regulated for transportation.

Section 15. Regulatory information

United States

FIFRA (Federal Insecticide, Fungicide and Rodenticide Act): Regulated, EPA Reg. No. 67690-77

Section 16. Other information

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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.