SAFETY DATA SHEET

Revision Date: 10/30/2026

ANCORA® 10 ES Microbial Insecticide

EPA Registration Number: 70051-133-59807

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

1.1. PRODUCT IDENTIFIER

Trade name	ANCORA® 10% ES Microbial Insecticide
Product type	Insecticide
EPA Registration No.	70051-133-59807
Active ingredient	Isaria fumosorosea Apopka strain 97
CAS No.	None

1.2. RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST

Identified uses	For uses as detailed on the label only.
Uses advised against	Any use not listed on the label.

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company information	OHP, Inc. 5151 McCrimmon Pkwy, Suite 275 Morrisville, NC 27560
Phone number	(800) 356-4647
SDS information	ohp.com

1.4. EMERGENCY TELEPHONE NUMBERS

Transportation emergency	CHEMTREC: 1-800-424-9300 (24 hours)
Medical emergency / product information	1-800-356-4647 (24 hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

OSHA classification	Not classified.
Signal word	None.
Hazard statements	None.
Pictogram	None.
Precautionary statements	None.

2.2. OTHER HAZARDS

Isaria fumosorosea Apopka strain 97 may have the potential to provoke sensitizing reactions.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	% w/w
Isaria fumosorosea Apopka strain 97	Not applicable	10.0

Hazardous ingredient(s)	Classification	CAS #	% w/w
Petroleum distillates	Category 1: Aspiration hazard	Trade secret	40-80
Surfactant (trade secret)	Category 1: Serious eye damage Category 2: Skin irritation	Trade secret	1-10

SECTION 4: FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

Treat symptomatically.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

May cause minor eye irritation.

4.3. IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Suitable media	Dry chemical, foam, carbon dioxide, water.
Unsuitable media	None known.

5.2. SPECIAL HAZARDS

Hazardous combustion products	None known.

5.3. ADVICE FOR FIREFIGHTERS

Keep upwind of fire. Wear protective clothing and self-contained breathing apparatus. Fight fire from a safe distance.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Non-emergency personnel	Avoid substance contact. Ensure adequate ventilation. Evacuate the area and observe emergency procedures.
Emergency responders	Use appropriate personal protective equipment. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. ENVIRONMENTAL PRECAUTIONS

For terrestrial uses, do not apply directly to water, 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.

6.3. CONTAINMENT AND CLEAN-UP

Methods	Caution: spillages may be slippery. For small spills, contain the spill and stop the flow. Transfer to a suitable container for disposal or recovery. Seal the container and handle in an approved manner. Reclaim material if possible.
Other information	Dispose of in accordance with all Federal, State and local procedures.

6.4. REFERENCE TO OTHER SECTIONS

Refer to Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

• Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES

Do not contaminate water, food, or feed by storage or disposal.

Pesticide storage: Store in original container. Store in a cool, dry place out of direct sunlight and away from heat sources. Storage at refrigerated (~39°F/4°C) temperatures does not adversely affect product quality or stability. Do not store above 68°F (20°C). Stability decreases with time at elevated temperatures above 68°F (20°C). Tightly reclose the container of unused product. Do not contaminate unused product with water.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

Isaria fumosorosea Apopka strain 97	OSHA PELs: not established ACGIH TLVs: not established No occupational limit assigned.

8.2. EXPOSURE CONTROLS

Wear protective equipment to comply with good occupational hygiene practice. Do not eat, drink or smoke at the workplace.

8.2.1. ENGINEERING CONTROLS

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

IMPORTANT: When reduced PPE is worn because a closed system is used, handlers must be provided all PPE specified for applicators and other handlers and have it immediately available for emergencies.

8.2.2. PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: NIOSH-approved particulate respirator with any N, R, or P filter (approval prefix TC-84A); or NIOSH-approved powered air-purifying respirator with HE filter (approval prefix TC-21C). Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

Eye/face protection: Not required.

Skin protection: Long-sleeved shirt, long pants, socks and shoes.

8.2.3. ENVIRONMENTAL EXPOSURE CONTROLS

For terrestrial uses, do not apply directly to water, to areas where surface water is present, or to intertidal areas below mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark brown liquid
Odor	Petro-like
Odor threshold	Not determined
pH	5.07 nominal [5.0-6.0] (1% solution)
Melting/freezing point	Not applicable
Initial boiling point	Not applicable
Boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not determined
Flammability limits	Not determined
Vapor pressure	Not applicable
Vapor density (air = 1)	Not determined
Density	0.9 g/mL nominal [0.8-1.0]
Solubility	Not determined
Partition coefficient	Not applicable
Auto-ignition temperature	Not determined
Decomposition temperature	Not applicable
Viscosity	198-485 cps @ 24°C
Other relevant properties	Not applicable

9.2. OTHER INFORMATION

Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity No known or expected hazardous reactions when handled and stored according to stated provisions.

10.2 Chemical stability Chemically stable under the conditions of storage, handling and use.

10.3 Hazardous reactions No known or expected hazardous reactions when handled and stored according to stated provisions.

10.4 Conditions to avoid None known or expected.

10.5 Incompatible materials None known or expected.

10.6 Decomposition products None known or expected.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. LIKELY ROUTES OF EXPOSURE

Oral, dermal, ocular, inhalation.

11.2. SYMPTOMS RELATED TO PHYSICAL, CHEMICAL, AND/OR TOXICOLOGICAL CHARACTERISTICS

May cause minor eye irritation.

11.3. EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE

See Section 4.

11.4. ACUTE TOXICITY

Test	Results	EPA category
Acute oral LD50	>5,000 mg/kg bw	IV
Acute dermal LD50	>5,000 mg/kg bw	IV
Acute inhalation LC50	>2.0 mg/L	IV
Eye irritation	Minimally irritating at 24 hours	III
Skin irritation	Nonirritating	IV
Respiratory/skin sensitization	Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.	N/A

11.5. OTHER ADVERSE HEALTH EFFECTS

Carcinogenicity NTP: not listed
IARC: not listed
OSHA: not listed

SECTION 12: ECOLOGICAL INFORMATION

12.1. TOXICITY

Species	Test / duration	Conditions	Substance	Results
Northern Bobwhite (Colinus virginianus)	Avian acute / 5-day	Oral gavage	Strain 97	NOEL = 2,500 mg/kg/day
Rainbow Trout (Oncorhynchus mykiss)	Acute freshwater fish / 96-hour	Static	Strain 97	EC50 > 14.7 x 10^8 CFU/L
Water Flea (Daphnia magna)	Acute freshwater invertebrate / 48-hour	Static	Strain 97	EC50 > 14.7 x 10^8 CFU/L
Honeybee (Apis mellifera carnica L.)	Nontarget pollinator / 48-hour	Oral; contact	20% WDG	Oral LD50 > 21.63 µg AI/bee Contact LD50 > 20.0 µg AI/bee

12.2. PERSISTENCE AND DEGRADABILITY

Isaria fumosorosea is a naturally occurring fungus commonly found in insects and soils around the world.

12.3. BIOACCUMULATIVE POTENTIAL

Isaria fumosorosea populations are expected to decline significantly after application and are not expected to bioaccumulate.

12.4. MOBILITY IN SOIL

Isaria fumosorosea occurs naturally in soil and is not expected to move or leach.

12.5. OTHER ADVERSE EFFECTS

None noted. See 12.2 above.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

Do not contaminate water, food, or feed by storage or disposal.

Pesticide disposal: Wastes resulting from use must be disposed of onsite or at an approved waste disposal facility.

Container handling: Nonrefillable container. Do not reuse or refill. Triple rinse promptly after emptying: empty remaining contents into application equipment or a mix tank and drain for 10 seconds after flow begins to drip. Fill container 1/4 full with water and recap. Shake 10 seconds. Pour rinsate into application equipment or mix tank, or store for later use or disposal. Drain 10 seconds after flow begins to drip. Repeat twice. Then offer for recycling, if available; or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by authorities, by burning. If burned, stay out of smoke.

SECTION 14: TRANSPORTATION INFORMATION

UN number	Proper shipping name	Hazard class(es)
None	Not applicable	Not applicable

Packing group	Environmental hazards	Special precautions
Not applicable	Not applicable	None

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION

EPA/FIFRA: This product is registered by the U.S. Environmental Protection Agency and is subject to certain federal pesticide labeling requirements. These may differ from SDS classification criteria and workplace labels for non-pesticidal chemicals. The pesticide label also includes directions for use. **EPA Signal Word: Caution.**

OSHA	TSCA status	CERCLA RQ
Not applicable	Exempt	Not applicable

SARA Title III	RCRA status	Other
302: N/A; 311/312: N/A; 313: N/A	Not applicable	None

SECTION 16: OTHER INFORMATION

Abbreviations

OSHA	U.S. Occupational Safety and Health Administration
EPA	U.S. Environmental Protection Agency
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act (Superfund)
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
TSCA	Toxic Substances Control Act
PEL	Permissible exposure limit
STOT	Specific target organ toxicity
TLV	Threshold limit value
TWA	Time-weighted average
LD50	Median lethal dose
LC50	Median lethal concentration
EC50	Median effective concentration
PPE	Personal protective equipment
PBT	Persistent, bioaccumulative and toxic
vPvB	Very persistent, very bioaccumulative
MARPOL 73/78	International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978

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