

Safety Data Sheet

Prepared June 25, 2018

Section 1 Product and Supplier Information



AgBio, Inc.
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Emergency Phone Numbers:
AgBio (North America) emergency number
303-469-9221
Chemtrec (North America) emergency number
1-703-527-3887
Chemtrec(International) emergency number
506-2261-5396, 506-2261-2424

Product name: Phyllocnistis citrella Lures

Product code: P187

This product consists of Z7, Z11, E13-hexadecatrienal & Z7, Z11-hexadecadienal impregnated in rubber. The rubber devices are sealed in separate impermeable pouches for shipping and storage. The product is intended for use as monitoring lure of citrus leafminer *Phyllocnistis citrella*

Section 2: Composition / Information on Ingredient

Chemical Name: Z7,Z11,E13-hexadecatrienal
CAS #: N/A
Formula: C₁₆H₂₆O

Chemical Name: Z7,Z11-hexadecadienal
CAS #: 96883-53-3
Formula: C₁₆H₂₈O

Section 3 Hazards Identification

Physical hazards	Not Classified
Health Hazards	Not Classified
Environmental Hazards	Not Classified
OSHA Defined Hazards	Not Classified

Label Elements

Pictogram None

Signal word None

Hazard Statement This product does not meet the criteria for classification.

Precautionary statement

Prevention Observe good handling hygiene practices.

Response Wash hands after handling.

Storage Store in cool place.

Disposal Dispose of waste in sanitary landfill in accordance with local authority requirements.

Section 4 First Aid Measures

Inhalation Difficult to inhale Move to fresh air. Call a physician if symptoms develop.

Skin Contact Wash off with soap and water. Get Medical attention if irritation develops.

Eye Contact Rinse with water. Get medical attention if irritation develops.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms /effects, acute and delayed Direct contact with eyes may cause temporary irritation.

Section 5 Fire Fighting Measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide.

Specific hazards arising from fire During fire, gases hazardous to health may be formed.

Specific methods Use standard firefighting procedures.

General fire hazards No unusual fire or explosion hazards.

Section 6 Accidental Release Measures

Procedure to be followed in case of leak or spill Pick up plastic devices and dispose of in approved manner.

Procedure(s) of personal precaution(s) No protective apparatus necessary for cleanup.

Methods for cleaning up Pick up material and dispose of in approve manner.

Section 7 Handling and Storage

Handling: No special precautions necessary when handling the product.

Storage: Suitable: Keep cool and away from sparks and open flame.

Section 8 Exposure Controls / PPE

Occupational exposure limits No exposure limits for ingredients.

Biological limit values No biological exposure limits noted for ingredients.

Appropriate engineering controls Good ventilation ~10 air changes/hr should be used.

Personal Protective Equipment No respiratory equipment required. Eyeglasses recommended.

General Hygiene Measures Wash after handling.

Section 9 Physical / Chemical Properties

Product Appearance: Solid rubber

Appearance: Colorless liquid
Active Ingredient

Physical State: Liquid
Z7,Z11,E13-hexadecatrienal
Z7,Z11-Hexadecadienal

Property of Active Ingredient

Value

Molecular weight

234.38 / 236.40

Boiling point

123 °C @ 0.2 mm Hg

Vapor density (Air = 1):

> 1

Density

0.8800:0.9000

Solubility

insoluble in water, soluble in alcohol

Flash Point

110 °C

Section 10 Stability and Reactivity

Reactivity Product is stable under normal transport, storage and use.

Chemical Stability Product is stable under normal conditions.

Possibility of hazardous reactions No known hazardous reactions known under normal use.

Section 11 Toxicological Information

Skin Contact	No adverse effect due to skin contact are expected.
Eye Contact	Product causes eye irritation if directly rubbed in eye.
Inhalation	Product difficult to inhale. No adverse effects expected.
Ingestion	Expected to be low ingestion hazard.
Signs and Symptoms of Exposure	Direct contact with eyes may cause temporary irritation

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity	Not available.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	Not a skin sensitizer.
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed.
Reproductive toxicity	Product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.

Aspiration hazard Not an aspiration hazard.

Section 12 Ecological Information

The product is not classified as environmentally hazardous.

Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	Very low if used in prescribed manner.
Mobility in soil	No data available. Very low if used in prescribed manner.
Other adverse effects	No other adverse environmental effects.

Section 13 Disposal Considerations

Disposal instructions	Collect and dispose of in sanitary landfill.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Waste from residues / unused product	Dispose of in accordance with local regulations.

Section 14 Transport Information

DOT
Not Regulated

IATA
Not Regulated

Section 15 Regulatory Information

US federal regulations One or more components are not listed on TSCA.
This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

SARA 304 Emergency release notification Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories

Immediate Hazard	No
Delayed Hazard	No

Fire Hazard No
 Pressure Hazard No
 Reactivity Hazard No

SARA 302 Extremely hazardous substance Not listed.
SARA 311/312 Hazardous chemical No
SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.
Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. California Controlled Substances. Not listed.
CA Department of Justice (California Health and Safety Code Section 11100)

US. Massachusetts RTK - Substance List Not regulated.
US. New Jersey Worker & Community Right-to-Know Act Not listed.
US. Pennsylvania Worker & Community Right-to-Know Law Not listed.
US. Rhode Island RTK Not regulated.

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains information required by the CPR.

International Inventories

Country (yes/no)*	Inventory name	On inventory
United States	Toxic Substances Control Act (TSCA) Inventory	No

No indicates the product ingredients are not listed or exempt from listing on the inventory administered by the country.

Section 16 Other Information

Disclaimer

For use outdoors.

Warranty

AgBio, Inc. cannot anticipate all conditions under which this information and its product, may be used. It is the user's responsibility to ensure safe handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.