



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Biopesticides and Pollution Prevention Division (7511P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

89850-16

Date of Issuance:

2/16/2018

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Semios Z-11-Tetradecenyl Acetate
 Technical Pheromone

Name and Address of Registrant (include ZIP Code):

SemiosBio Technologies, Inc.
 101-887 Great Northern Way
 Vancouver, BC V5T 4T5
 Canada

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA Registration Number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under the Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.
2. Submit storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) data as these data requirements are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of this registration to provide these data to the EPA.

Signature of Approving Official:

Andrew Bryceland, Team Leader
 Biochemical Pesticides Branch
 Biopesticides and Pollution Prevention Division (7511P)
 Office of Pesticide Programs

Date:

2/16/2018

3. Make the following labeling change before you release this product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 89850-16."
4. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated 07/28/2017

If you have any questions, please contact Alex Horansky of my team by phone at (703) 347-0128 or via email at horansky.alex@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is written in a cursive style.

Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

FIRST AID	
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Contact a poison control center or doctor for treatment advice.
If on skin or clothing	Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Contact a poison control center or doctor for treatment advice.
If in eyes	Immediately hold eyes open and rinse slowly and gently with water for 15 - 20 minutes. If wearing contact lenses, rinse eyes for 5 minutes, remove contact lenses and continue rinsing. Contact a poison control center or doctor for treatment advice.
If swallowed	Contact a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Hot Line Number: Have the product container or label with you when contacting a poison control center or doctor, or going for treatment. For emergency information on product, uses, and treatment, etc., call the National Pesticides Information Center at 1-800-858-7378, 6.30am-4.30pm Pacific Time (PT), 7 days a week. During other times, call the poison control center at 1-800-222-1222.	

PRECAUTIONARY STATEMENTS

Hazards to humans and domestic animals

CAUTION. Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye and skin irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating or drinking. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

For terrestrial uses. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA..

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling

Semios Z-11-Tetradecenyl Acetate Technical Pheromone is a manufacturing-use product that acts as a behavior modifying biochemical pesticide (pheromone) which functions by mating disruption. It is manufactured for incorporation into end-use products, intended to control the Oblique-banded leafroller, *Choristoneura rosaceana* and Pandemis leafroller, *Pandemis pyrusana*. The manufacturing-use product is not for the direct treatment of pests. Do not use from damaged, punctured or unsealed containers. End-use products formulated from this product must be registered by the US EPA. This product can be put to additional uses not listed on the label if the formulator, user group, or grower has complied with US EPA data submission requirements regarding the support of such uses.

STORAGE AND DISPOSAL

DO NOT contaminate water, feed or food by storage or disposal.

Pesticide Storage: Store container in a cool, dry place until used.

Pesticide Disposal: Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Non-refillable container. Do not use or refill this container. Triple rinse (or equivalent) promptly after emptying. Then dispose of in a sanitary landfill, or by other approved by state and local procedures.

WARRANTY AND LIMITATION OF DAMAGES

SemiosBIO Technologies Inc., warrants that this product conforms to the chemical description stated on the label. SemiosBIO Technologies Inc., neither authorizes any agent or representative to make any other warranty or fitness of merchantability, guarantee or representation, express or implied, concerning this material. To the extent consistent with applicable law SemiosBIO Technologies Inc.'s maximum liability for breach of this warranty shall not exceed the purchase price of the product. To the extent consistent with applicable law, buyer and user acknowledge and assume all risks and liabilities resulting from the handling, storage and use of this product which extend beyond the use of the product under normal conditions and in accord with statements made on the label.



Semios Z-11-Tetradecenyl Acetate Technical Pheromone

For Manufacturing Use to formulate products used in the control of Oblique-banded leafroller, *Choristoneura rosaceana* and Pandemis leafroller, *Pandemis pyrusana*

ACTIVE INGREDIENT

(Z)-11-tetradecenyl acetate 96.51%

OTHER INGREDIENTS 3.49%

Total 100.00%

EPA Reg. No.89850-xx

EPA Est. No. 93069-IND-1

KEEP OUT OF REACH OF CHILDREN
CAUTION

See side/back panel for First Aid and Precautionary Statements

Net contents

SemiosBIO Technologies Inc.
101-887 Great Northern Way
Vancouver, BC V5T 4T5
www.semios.com

Batch number:

