



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 12, 2022

David W. Haughey
Product Registration Manager
BASF Corporation
26 Davis Drive, PO Box 13528
Research Triangle Park, NC 27709

Subject: PRIA Label Amendment – Add new non-food, indoor use for stored product pests
and required Alpha-cypermethrin ID language
Product Name: Carifend Continuous Protection System
EPA Registration Number: 7969-367
Application Date: 3/30/21, 8/25/21
Decision Number: 573088, 578054

Dear Mr. Haughey:

The application referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable under FIFRA Section 3(c)(7)(B), subject to the following conditions:

1. You must submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.
2. You are required to comply with the data requirements described in the DCI identified below:
 - Alpha- Cypermethrin GDCI-209600-1329

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Alpha Cypermethrin Final and/or Interim Decision, and has concluded that your submission is acceptable.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR

152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements 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 Agency 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.

Your release for shipment of the product constitutes acceptance of these conditions. If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). If you have any questions, you may contact Hester Dingle at 202-566-2596 or via email at dingle.hester@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "J. S.", is positioned above the typed name.

Jennifer Saunders, PhD, Chief
Invertebrate & Vertebrate Branch 1
Registration Division (7505P)
Office of Pesticide Programs

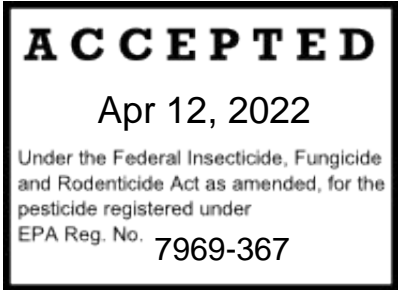
Enclosure

Alpha-cypermethrin	Group	3A	Insecticide
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{NOTE TO REVIEWER: Text within [brackets] indicates optional text.}

Carifend®

Continuous Protection System



For use in tobacco warehouses for control of Tobacco Moth (*Ephestia elutella*) and Cigarette Beetle (*Lasiderma serricorne*).

For use in Commercial and Industrial Buildings [Commercial Buildings, Food Handling Facilities, Food Processing Plants, Food Storage Areas, Grain Mills, Granaries, Industrial Buildings, Meat Packing Plants, Museums, Terminals, Trailers, Transportation Equipment (Buses, Boats, Ships, Trains, Trucks and Planes – cargo areas only), Utilities and Warehouses] for control of stored product pests.

Active Ingredient:

alpha-cypermethrin: mixture of	
(S)-α-cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	
and	
(R)-α-cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	0.34%
Other Ingredients:	99.66%
Total:	100.00%

EPA Reg. No. 7969-367
U.S. Patent No. US 9,464,456

EPA Est. No.

FOR USE ONLY AS AN INSECTICIDE TREATED NET

FOR INDOOR USE ONLY

FOR USE ONLY BY BASF AUTHORIZED OPERATORS

COATING / APPLICATION RATE: 0.000535 ozs alpha-cypermethrin / ft² netting or 163.2 mg alpha-cypermethrin / m² netting

KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUCION

See inside for complete **First Aid, Precautionary Statements, Directions for Use, Conditions of Sale and Warranty and Net Storage and Disposal Instructions**

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:

BASF Corporation
26 Davis Drive, Research Triangle Park, NC 27709

FIRST AID	
If on skin	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth to mouth if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call 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 to an unconscious person.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes; then continue rinsing. • Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).</p>	

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or using the toilet.

The net contains: ALPHA-CYPERMETHRIN which may cause temporary irritant reactions (paraesthesia) in sensitive individuals after direct contact with the skin. This reaction manifests itself as a slight tingling and a possible reddening of the skin. The symptoms usually disappear quickly. Please consult a physician if symptoms persist or if other symptoms are observed.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of chemical resistant material: barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber (includes natural rubber blends and laminates) ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils
- Shoes plus socks

USER SAFETY RECOMMENDATIONS
<p>Users should:</p> <ul style="list-style-type: none"> • Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. • Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. • Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

DIRECTIONS FOR USE

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

Formulation type: Long Lasting Insecticidal Net (LLIN).

Carifend® Continuous Protection System nets are installed and disposed of by BASF authorized personnel. Please read and follow use directions provided by the BASF representative who installs the system to ensure proper use of the system in accordance with local regulations and best practices specific to your facility, stored good(s) and pest populations.

Contact with the **Carifend** net on skin may cause paraesthesia (e.g., tingling, tickling, prickling, pricking, or burning sensation).

Carifend controls pests such as Saw-toothed Grain Beetle adults, (*Oryzaephilus surinamensis*); Confused Flour Beetle adults, (*Tribolium confusum*); Indianmeal Moth adults and larvae, (*Plodia interpunctella*); Litter Beetle adults, (*Alphitobius diaperinus*); Granary Weevil adults, (*Sitophilus granarius*); Red Flour Beetle adults, (*Tribolium castaneum*); Tobacco Moth, (*Ephestia elutella*); Cigarette Beetle, (*Lasiderma serricorne*)

Information for protecting the environment

Net is highly toxic to aquatic organisms. **DO NOT** place nets in or near bodies of water as it could cause harmful effects to aquatic organisms.

DO NOT dispose into the subsoil/soil. **DO NOT** expose or dispose into drains/surface waters/groundwater.

Information for protecting users

Handle in accordance with good industrial hygiene and safety practice.

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of storage area and work areas.

Using the Carifend Netting System for Optimal Results

Follow these label directions to ensure proper use of the system in accordance with local regulations and best practices specific to your facility, stored good(s) and pest populations.

Preparing goods for storage

For effective control, stored commodities **MUST** be pest-free before being placed under **Carifend** netting for storage. To ensure that goods are pest free, treat with a pest-elimination protocol approved for the commodity (e.g., fumigation, freezing, extreme heat), then immediately placed under the netting system. Alternatively, stored commodities can be fumigated after being placed under the **Carifend** netting system.

Customized net design and production

The **Carifend® Continuous Protection System** nets and hanging systems are custom designed to fit each building, taking into account the facility's construction type, ceiling height, pile size and dimensions. Working in collaboration with the building staff, a BASF-certified technician will assess and calculate the net dimensions for the installation and will then create a final design.

Installation

The hanging system (Framing Unit) for the **Carifend** nets will be installed by a BASF-certified technician, and **Carifend** will then be suspended from this system.

Net integrity and inspection

The net system must fully enclose the stored goods, without any gaps or breaches to ensure protection against infestation. When removing or adding boxes or items (to the pile), close the net openings immediately. Inspect the nets weekly for any signs of tears or holes that might allow insects to enter. Repair or replace damaged nets or nets that are excessively soiled immediately. **Carifend® Continuous Protection System** nets are developed exclusively for indoor warehouse and building protection. **DO NOT** allow boxes or items stored under **Carifend** to be in direct contact with the netting to maximize protection to stored goods under the net.

Pest monitoring and tracking

Weekly monitor pest populations within the warehouse or building. Place pheromone-based insect-monitoring traps throughout the warehouse or building to monitor pest levels according to guidelines. Additionally, place some traps underneath the net to measure any kind of accidental infestation.

Employee training, including pest monitoring and tracking

In order to maximize and support the effective use of **Carifend® Continuous Protection System** nets, BASF will provide training by a certified **Carifend** technician. Subjects to be covered during this training program will include net maintenance and care, pest monitoring and tracking, and proper handling of the nets. Removal or replacement of **Carifend** nets will always be conducted by certified **Carifend** technicians.

STORAGE AND NET DISPOSAL

KEEP IN SAFE PLACE

DO NOT expose nets to direct, prolonged sunlight and heat.

Store in a dry place and in the original container.

DO NOT store near food, drink or animal feed once the net is removed from the original container.

Net disposal, repair and replacement

The nets are effective up to 3 years from the date of installation.

The net(s) and its container(s) must be disposed of in a safe way using hazardous or special waste collection repositories.

BASF will be responsible for disposal of **Carifend** at the end of the net's life cycle.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as the presence of other materials or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

PC309

Carifend is a registered trademark of BASF.

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Supersedes: NVA 2015-04-516-0105

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We create chemistry