



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 24, 2016

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

Subject: Notification per PRN 98-10 – Minor Label Changes
Product Name: CARIFEND CONTINUOUS PROTECTION SYSTEM
EPA Registration Number: 7969-367
Application Date: 6/2/2016
Decision Number: 518116

Dear Mr. Haughey:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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.

If you have any questions, you may contact Angela Hollis at 703-347-0216 or via email at hollis.angela@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis", enclosed within a hand-drawn oval.

Kable Bo Davis, Product Manager 3
Invertebrate and Vertebrate Branch 1
Registration Division (7505P)
Office of Pesticide Programs



CARIFEND® Continuous Protection System

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



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%

U.S. Patent No. Pending



EPA Reg. No. 7969-5 **AT**

EPA Est. No.

FOR USE ONLY AS AN INSECTICIDE TREATED NET

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).

NOTIFICATION

7969-367

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:


06/24/2016


Net Contents:

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

Summary of Comments on 007969-0GAT.20140529c.NVA 2015-04-516-0068 - annotated


Page: 1

 Number: 1 Author: HAUGHED Subject: Sticky Note Date: 6/3/2016 10:59:25 AM
5 minor changes highlighted in yellow from previously approved label

 Number: 2 Author: HAUGHED Subject: Highlight Date: 6/3/2016 10:51:12 AM

 Number: 3 Author: HAUGHED Subject: Sticky Note Date: 6/3/2016 10:52:00 AM
"Tobacco" corrected to "Cigarette"

 Number: 4 Author: HAUGHED Subject: Sticky Note Date: 6/24/2016 2:13:38 PM
Changed "GAT" to "367"

 Number: 5 Author: HAUGHED Subject: Highlight Date: 6/24/2016 2:12:08 PM

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 eyes. • 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.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:


- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material (such as barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, natural rubber (includes natural rubber blends and laminates) \geq 14 mils, polyethylene, polyvinyl chloride (PVC) \geq 14 mils, or viton \geq 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,  maintained, 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

 Number: 1 Author: HAUGHED Subject: Sticky Note Date: 6/3/2016 10:53:41 AM
removed "maintained"

 Number: 2 Author: HAUGHED Subject: Highlight Date: 6/3/2016 10:52:51 AM

accordance with local regulations and best practices specific to your facility, stored good(s) and pest populations.

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

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.

Avoid skin contact with the net, wear long sleeves and chemical resistant gloves when handling the nets, and avoid contact of the eyes with unprotected fingers. Hands and/or face should be washed before breaks and at the end of work shifts.

When using or working with the **Carifend** nets do not eat, drink or smoke. Wash hands thoroughly after dermal exposure to netting.

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.

Follow these instructions if any irritation occurs

On the skin: Remove contaminated clothing immediately and wash irritated skin thoroughly with soap and water.

In the eyes: Flush immediately with plenty of clean water and obtain medical attention.

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 tobacco **MUST** be pest-free before being placed under **Carifend** netting for storage. To ensure that goods are pest free, they should be treated with a pest-elimination protocol approved for the commodity (e.g., fumigation, freezing, extreme heat, etc.), then immediately placed under the netting system. Alternatively, stored boxes 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 warehouse, taking into account the facility's construction type, ceiling height, pile size and dimensions. Working in collaboration with the warehouse 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 (to the pile), close the net openings immediately. The nets should be inspected weekly for any signs of tears or holes that might allow insects to enter. Damaged nets or nets that are excessively soiled must be repaired or replaced immediately. **Carifend** nets are developed exclusively for indoor warehouse protection. Do not allow boxes stored under **Carifend** be in direct contact with the netting to maximize protection to stored goods under the net.

Pest monitoring and tracking

Pest populations within the warehouse should be monitored weekly. Pheromone-based insect-monitoring traps should be placed throughout the warehouse to monitor pest levels according to guidelines. ¹ Trap catch numbers should be recorded weekly and entered into the **Carifend** Performance Program provided by BASF. Additionally, some traps should be placed underneath the net to measure any kind of accidental infestation. ²

Employee training, including pest monitoring and tracking

In order to maximize and support the effective use of **Carifend** 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. ³ Removal or replacement of **Carifend** nets will always be conducted by certified **Carifend** technicians. ⁴

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 ⁵ years from the date of installation. ⁶


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® Continuous Protection System** at the end of the net's life cycle.

 Number: 1 Author: HAUGHED Subject: Highlight Date: 6/3/2016 10:54:26 AM

 Number: 2 Author: HAUGHED Subject: Sticky Note Date: 6/3/2016 10:55:14 AM
removed "Trap catch numbers should be recorded weekly and entered into the Carifend Performance Program provided by BASF."

 Number: 3 Author: HAUGHED Subject: Highlight Date: 6/3/2016 10:55:32 AM

 Number: 4 Author: HAUGHED Subject: Sticky Note Date: 6/3/2016 10:56:27 AM
removed "Removal or replacement of Carifend nets will always be conducted by certified Carifend technicians."

 Number: 5 Author: HAUGHED Subject: Highlight Date: 6/3/2016 10:56:31 AM

 Number: 6 Author: HAUGHED Subject: Sticky Note Date: 6/3/2016 10:56:51 AM
2 years changed to 3 years

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.
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007969-OGAT.20140529c.NVA 2015-04-516-0068

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We create chemistry