



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

October 18, 2024

Robert Avalos  
Sr. Regulatory Manager  
Zenavis, LLC  
940 NW Cary Parkway, Suite 200  
Cary, NC 27513

Subject: Notification per PRN 98-10 – Change Primary Brand Name from ARG  
FLUMIOXAZIN TECHNICAL to ZEN FLUMIOXAZIN TECHNICAL due to a Recent  
Transfer of the Ownership.  
Product Name: ZEN FLUMIOXAZIN TECHNICAL  
EPA Registration Number: 103050-12  
Application Date: September 06, 2024  
Case Number: 628728

Dear Mr. Avalos:

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 placed in our records.

The primary brand name, “**ZEN Flumioxazin Technical**” has been added to the product record.

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 (FIFRA) 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) lists 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, please contact Ernest Kraka at (202)-566-2822 or at [kraka.ernest@epa.gov](mailto:kraka.ernest@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Shaja B. Joyner". The signature is fluid and cursive, with the first name "Shaja" being more prominent.

Shaja B. Joyner, Product Manager 20  
Fungicide-Herbicide Branch  
Registration Division 7505T

**ARG-ZEN Flumioxazin Technical**  
**TECHNICAL PRODUCT FOR FORMULATING USE ONLY**

**ACTIVE INGREDIENT:**

Flumioxazin (2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione))

98.3%

**OTHER INGREDIENTS:**

1.7%

**TOTAL**

100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

FIRST AID	
If in eyes:	<ul style="list-style-type: none"><li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
If on skin:	<ul style="list-style-type: none"><li>Take off contaminated clothing.</li><li>Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
If swallowed:	<ul style="list-style-type: none"><li>Call a poison control center or doctor immediately for treatment advice.</li><li>Have person sip a glass of water if able to swallow.</li><li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>Do not give anything by mouth to an unconscious person.</li></ul>
If inhaled:	<ul style="list-style-type: none"><li>Move person to fresh air.</li><li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>Call a poison control center or doctor for further treatment advice.</li></ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at <b>1-844-685-9173</b> for emergency medical treatment information.	

**For Chemical Emergency: Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 +1 703-527-3887 (collect calls accepted)**

**Manufactured for:**

ArgiteZenavis, LLC

5000 CentreGreen Way, Suite 100940 NW NW Cary Parkway, Suite 200

Cary, NC 27513

EPA Reg. No. **103050-1287373-114**

EPA Est. No.

Net Weight:

Lot No.: see container

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

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

**ENVIRONMENTAL HAZARDS**

This product is toxic to non-target plants and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other 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 Environmental Protection Agency.

**NOTIFICATION**

103050-12

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:

10/18/2024

**DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read the entire label before using this product. Formulators using this product are responsible for obtaining EPA registration for their formulated products. This technical product may be used only for formulation of herbicide end use products with the following uses: **Terrestrial Food Uses: Individual crops:** Alfalfa, Artichoke (Globe), Asparagus, Cactus (Prickly Pear), Clover, Cotton, Field Corn, Hops, Mint, Olive, Peanut, Pomegranate, Soybean, Sugarcane, and Wheat.

**Crop Groups:** Brassica Head and Stem Vegetable (Crop Group 5-16); Bushberry (Subgroup Group No. 13-07B); Caneberry (Subgroup 13-07A); Citrus Fruit (Crop Group 10-10); Fruit, Pome (Crop Group No. 11-10); Fruit, Stone (Crop Group No. 12-12); Leaf petioles (Subgroup 4B); Low Growing Berry (Subgroup 13-07G); Nut, Tree including Pistachio (Crop Group 14-12); Onion, Bulb (Subgroup 3-07A); Pea and bean, Dried shelled, except soybean (Subgroup 6C); Rapeseed (Subgroup 20A); Small Fruit, Vine Climbing, Except Fuzzy Kiwifruit (Subgroup 13-07F); Sunflower (Subgroup 20B); Vegetable, Cucurbit (Crop Group 9); Vegetable, Fruiting (Crop Group 8-10); Vegetable, Tuberous and Corm (Subgroup No. 1C). **Terrestrial Non-Food Uses: Conifers and Deciduous Trees and Ornamental Plants:** Fallowland, Flowering Plants, Foliage Plants, Ground Covers, Non-Bearing Fruit Trees, Ornamentals, Ornamental Trees, Shrubs, Conifers (including Christmas trees), dormant turfgrass, golf courses, sod farms, and maintenance of bare ground non-crop areas of farms, orchards and vineyards. **Forestry including Conifer Reforestation and Poplar Plantations;** **Residential Outdoor including dormant warm season turfgrass; Aquatic Non-Food Uses:** Bayous, Canals, Drainage Ditches, Lakes, Marshes, Ponds, Reservoirs and other slow moving or quiescent bodies of water.

Uses for which the US EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration excluding any use strictly prohibited by this label. Uses for experimental purposes that are in compliance with USEPA requirements.

**Storage and Disposal**

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

**PESTICIDE STORAGE:** Store product in original container. Store in a cool dry place away from other pesticides, fertilizer, food or feed.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of inner liner in sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner, or offer drum for recycling, if available.

**CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded. The Direction for Use of this Product should be followed carefully. 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 manner of use or application, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ArgiteZenavis, LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ArgiteZenavis, LLC and Seller harmless for any claims relating to such factors. ArgiteZenavis, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or ArgiteZenavis, LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARGITEZENAVIS, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE. To the extent consistent with applicable law, neither ArgiteZenavis, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ARGITEZENAVIS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ARGITEZENAVIS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT. ArgiteZenavis, LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of ArgiteZenavis, LLC.

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