

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY ADDRESS: RedEagle International LLC 5143 S. Lakeland Drive - Suite 4 Lakeland, FL 33813	EMERGENCY TELEPHONE NUMBERS: (800) 424-9300 (CHEMTREC, transportation and spills) (800) 222-1222 American Association of Poison Control Centers
PRODUCT NAME: CHEMICAL NAME:	AzoxyPropi SE Azoxystrobin-Methyl (<i>E</i>)-2-{2-[6-(2-cyanophenoxy) pyrimidin-4-yloxy] phenyl}-3- methoxy acrylate Propiconazole- 1-[[2-(2,4 -dichlorophenyl)-4-propyl-1,3-dioxolon-2-yl] methyl]-1H-1,2,4-triazole
PRODUCT USE: PRODUCT CODE:	Fungicide EPA Reg. No. 85678-87

SECTION 2 - HAZARDS IDENTIFICATION SUMMARY

(As defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200)

HEALTH HAZARDS: WARNING

Harmful if swallowed.

Harmful if inhaled.

Causes serious eye irritation.

PHYSICAL HAZARDS:

May release toxic fumes if burned.

ENVIRONMENTAL HAZARDS:

Very toxic to aquatic life.



SECTION 3 – COMPOSITION, INFORMATION OF INGREDIENTS

COMPONENT	PERCENTAGE	CAS No.
Azoxystrobin	13.5 %	131860-33-8
Propiconazole	11.7 %	60207-90-1
Other ingredients	Balance to 100%	Proprietary

SECTION 4 - FIRST AID MEASURES

First Aid respondents should use protective equipment in Section 8 if there is a potential exposure to product.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by poison control center or doctor. Do not give any liquid to a person. Do not give anything by mouth to an unconscious person.

IF INHALED: 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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. No specific antidote. Treat symptomatically.

Have a product container or label with you when calling a poison control center or doctor or going for treatment.

SECTION 5 - FIRE FIGHTING MEASURES

NFPA (National Fire Protection Association) HAZARD RATINGS

HEALTH	FLAMMABILITY	REACTIVITY
2	0	0

4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal

EXTINGUISHING MEDIA: Use foam, dry chemical, carbon dioxide, or water spray when fighting fires involving this material.

FIRE AND EXPLOSION HAZARD: Can burn in fire, releasing irritating and toxic gases.

FIRE FIGHTING INSTRUCTIONS: Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to run off. Minimize use of water to prevent environmental contamination.

FIRE FIGHTING EQUIPMENT: Full firefighting turn-out gear (Bunker gear) including self-contained breathing apparatus with full face piece.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILLS OR LEAKS: Stop the source of the spill if safe to do so. Contain the spill to prevent further contamination of soil, surface water, or ground water. Clean up spills immediately. Observe precautions in Section 8 of this document. Keep unnecessary and unprotected personnel from entering.

SMALL SPILL: Absorb small spills with sand, vermiculite, or other absorbent inert ingredients. Place material in a container for proper disposal.

LARGE SPILL: Dike spill using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse or disposal. Allow absorbed material to solidify and scrape up for disposal. After removal, clean contaminated area thoroughly with water. Pick up wash liquid with additional absorbent for disposal. Minimize use of water to prevent environmental contamination.

CAUTION: Minimize use of water to prevent runoff into municipal sewers or other open bodies of water and minimize environmental contamination. Be sure to isolate any contaminated water. Contact your

SECTION 7 - HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN!

HANDLING: Use only in a well-ventilated area. Wear proper safety equipment specified in Section 8 when mixing, loading or otherwise handling concentrate. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing if pesticide gets inside clothing. Then wash thoroughly and put on clean clothing. Remove PPE after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Do not reuse container.

STORAGE: Keep pesticide in original container. Keep container tightly closed when not in use. Store in a locked storage area. Avoid cross contamination with other pesticides or fertilizers during handling and storage. Store in a cool, dry place. Do not contaminate water, feed, or food by storage and disposal. Do not store diluted spray.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Proper ventilation is required when handling or using this product to minimize exposure to airborne contaminants. Local mechanical exhaust ventilation may be required. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION: Protective eyewear

SKIN PROTECTION: Long-sleeved shirt and long pants, shoes plus socks, and chemical-resistant gloves.

RESPIRATOR: Normally not required. If handling in an enclosed environment where vapors or mists may exceed acceptable levels, wear NIOSH approved air-purifying respirator approved for pesticides.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous aqueous solution
Odor:	Characteristic
pH:	6.5-8.0
Boiling Point:	No information available
Flash Point:	>100°C/ 212°F
Evaporation Rate:	No information available
Flammability:	No information available
Flammability Limits:	No information available
Vapor Pressure:	No information available
Vapor Density:	No information available
Density:	1.05-1.10 g/ml
Solubility:	dispersible
Partition Coefficient:	No data
Auto-Ignition Temperature:	No data
Decomposition Temperature:	No data

* Listed density is an approximate value and does not necessarily represent that of a specific batch.

SECTION 10 - STABILITY AND REACTIVITY

PRODUCT REACTIVITY:	Non-reactive
CHEMICAL STABILITY:	Stable under recommended storage conditions.
HAZARDOUS REACTION/POLYMERIZATION:	None under normal conditions
CONDITIONS TO AVOID:	Do not allow to freeze or extreme heat.
INCOMPATIBLE MATERIALS:	Oxidizing materials or strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may release oxides of carbon. and nitrogen as well as sulfur dioxide and sulfuric acid.

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: The following is based on substantially similar formulation:

Oral LD ₅₀ (rat):	> 1030 mg/kg
Dermal LD ₅₀ (rat):	> 4,000 mg/kg
Inhalation LC ₅₀ (rat):	> 2.56 mg/l (4 hour)
Eye irritation (rabbit):	Severely irritating to eyes
Inhalation	Harmful by inhalation
Skin irritation (rabbit):	Slight skin irritation
Sensitization (guinea pig)	Non-sensitizer

CARCINOGEN STATUS:

NTP: not listed **IARC:** not listed **OSHA:** Not listed.

Reproductive toxicity: No evidence.

MUTAGENICITY: No evidence of mutagenic effects during in vivo or in vitro studies.

SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: Azoxystrobin and Propiconazole are toxic to freshwater and estuarine/marine fish; and azoxystrobin is toxic to aquatic invertebrates. Propiconazole is toxic to shrimp. Do not apply directly to water except as specified on this label. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water or rinsate.

Azoxystrobin and a degradation product of azoxystrobin are known to leach through soil to ground water under certain conditions as a result of label use. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of azoxystrobin and a degradate of azoxystrobin from runoff water and sediment.

Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

FATE: Azoxystrobin degrades rapidly in soil due to photolysis with a half-life of less than 30 days. Azoxystrobin is moderately mobile in soil.

FISH TOXICITY: (Azoxystrobin technical)

96-hour LC₅₀, Rainbow trout – 0.47ppm

96-hour LC₅₀, Bluegill - 1.10 ppm

AVIAN TOXICITY: (technical)

Dietary LC₅₀, Bobwhite quail - > 5,200ppm

Dietary LC₅₀, Mallard duck - > 5,200 ppm

BEE TOXICITY (technical)- >200ug/bee

FATE: Propiconazole is moderately persistent with a soil half-life of 30-365 days depending on soil type and weather conditions. Propiconazole binds to soil and is immobile in most soil types.

FISH TOXICITY: (Propiconazole technical)

Rainbow trout (96-hr LC₅₀) – 4.3-5.3

mg/L Bluegill 96-hour LC₅₀ - 1.3

ppm

AVIAN TOXICITY: (technical)

Dietary LC₅₀, Bobwhite quail - > 2835mg/kg

Dietary LC₅₀, Mallard duck - > 5620mg/kg

BEE TOXICITY (technical)- >25ug/bee

SECTION 13 - DISPOSAL CONSIDERATIONS

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

PESTICIDE DISPOSAL: Excess pesticide spray, mixture, or rinsate resulting from the use of this product can be disposed of onsite according to label instructions or at an approved waste disposal facility.

Improper disposal is a violation of Federal Law.

CONTAINER DISPOSAL:

Nonrefillable Container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity < 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full of water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Triple rinse containers too large to shake (capacity > 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full of water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more time.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refer to the product label for additional and complete Container Handling instructions.

SECTION 14 - TRANSPORT INFORMATION

DOT:	Not regulated
TRANSPORT HAZARD CLASS:	N/A
IMDG :	
UN NUMBER:	UN 3082
Hazard Class	9
PACKING GROUP:	III
UN PROPER SHIPPING NAME:	Environmentally Hazardous substance, liquid, n.o.s (Propiconazole, Azoxystrobin)
Marine Pollutant:	Yes

SECTION 15 - REGULATORY INFORMATION

CERCLA REPORTABLE QUANTITY: Not applicable

SARA TITLE III

311/312 HAZARD CATEGORY: Immediate health (acute),

313 REPORTABLE INGREDIENTS: This product contains a chemical or chemicals which are subject to the requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Propiconazole 60207-90-1 SARA 313 Threshold value 1.0%

CALIFORNIA PROP 65: WARNING: This product contains no chemical known to the state of California to cause cancer.

TSCA: This product is exempted from TSCA because it is solely for FIFRA regulated use.

SECTION 16 - OTHER INFORMATION**NFPA (National Fire Protection Association) HAZARD RATINGS**

HEALTH	FLAMMABILITY	REACTIVITY
2	0	0

4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal

DISCLAIMER AND LIMITATION OF LIABILITY: The information presented herein is based on available data from reliable sources and is correct to the best of our knowledge. It does not relate to the use of such materials in combination with any other material or process. RedEagle International LLC makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. RedEagle International LLC disclaims all liability for reliance on such information. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions.

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.

It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.