



ARTAVIA™ Xcel

SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

1. IDENTIFICATION

PRODUCT NAME: Artavia Xcel
DESCRIPTION: Liquid fungicide
EPA REG. NO.: 91234-79
COMPANY IDENTIFICATION: Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

2. HAZARD IDENTIFICATION

WARNING

Causes eye irritation (H320)
Combustible liquid (H227)
Very toxic to aquatic life with long lasting effects (H400+H410)

HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Eye Damage / Irritation	2B	Flammable Liquid	4
		Environmental Hazards	Category
		Hazardous to the Aquatic Environment – Acute	1
		Hazardous to the Aquatic Environment – Chronic	1

HAZARDS NOT REQUIRING CLASSIFICATION

Do not use with or store near any oxidizing or reducing agents. Do not mix or allow to come in contact with oxidizing or reducing agents. Do not allow the ratio of product: water in field to exceed 1:1. Hazardous chemical reaction may occur.

PRECAUTIONARY STATEMENTS

Wash hands and face thoroughly after handling. Do not touch eyes. (P264+P265)

Keep away from heat, sparks, open flames, hot surfaces. No smoking. Wear protective gloves, protective clothing and eye protection. (P210+P280)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical help. (P305+P351+P338+P337+P317)

In case of fire: Use dry chemical, foam or CO₂ for extinction. (P370+P378)

Avoid release to the environment not in accordance with the product label. (P273)

Collect spillage. (P391)

Store locked up in a well-ventilated place. (P403)

Dispose of contents / container using instructions in the product label and in accordance with local / Federal regulations. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Propiconazole	1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole	60207-90-1	9.54%
Azoxystrobin	Methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate	131860-33-8	5.73%
THFA	Tetrahydrofurfuryl Alcohol	87-99-4	Trade Secret
Other Ingredients	Other Ingredients	Trade Secret	< 84.73%

NOTE: Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

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 1-844-685-9173 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** or **+1 703-527-3887** (collect calls accepted)

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.

5. FIREFIGHTING MEASURES

Flash Point: Approximately 172°F

Fire and Explosion Hazards: Combustible liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Heavy vapors may flow along surfaces to distant ignition sources and flash back.

Extinguishing Medium: Foam, dry chemical, or carbon dioxide (CO₂). Avoid high volume water jet (contamination risk).

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Fire Fighting Instructions: Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff.

Hazardous Combustion Products: No data available.

NFPA Ratings: Health – 2 / Flammability – 2 / Reactivity – 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate area and keep unnecessary and un-protected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

Environmental Precautions: Prevent material from entering any waterways or low areas. Do not flush to drain or soil. Contain contaminated water. 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.

Spill Cleanup: Clean up spill immediately, observing precautions in Section 8. Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

Storage: Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop up and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

Protective Clothing: Handlers must wear protective eyewear such as goggles or face shield, long sleeved shirt and long pants, chemical resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber, and shoes plus socks.

General: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	amber liquid
Odor:	ether
Melting / Freezing point:	no data available
Boiling Point / Boiling Range:	no data available
Flammability:	combustible liquid
Flammability Limits (upper/lower):	no data available
Flash Point:	Approximately 172°F
Auto-ignition Temperature:	Approximately 509°F
Decomposition Temperature:	no data available
pH:	6.0 @ 77°F
Kinematic Viscosity:	no data available

Solubility (Azoxystrobin):	6.0 mg/L (in water)
Solubility (Propiconazole):	0.1 g/L (in water)
Partition coefficient:	no data available
Vapor Pressure:	no data available
Relative Density:	9.09 lbs/gal@68°F
Vapor Density:	no data available
Particle Characteristics:	no data available

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None known.

CHEMICAL STABILITY: Stable at normal temperatures and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Information presented below is from testing done on an identical or substantially similar product:

ORAL TOXICITY (rat LD₅₀): no data available

DERMAL TOXICITY (rat LD₅₀): > 5,050 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 2.68 mg/L (4-hour)

EYE IRRITATION: Moderately irritating

SKIN IRRITATION: Non-irritating

SKIN SENSITIZATION: Not a sensitizer

CARCINOGENICITY:

EPA: Not likely to be carcinogenic to humans (Azoxystrobin)
Group C: Possible human carcinogen (Propiconazole)

IARC: Not listed **NTP:** Not listed

OSHA: Not listed **ACGIH:** Not listed

MUTAGENIC TOXICITY: Animal Testing did not show any mutagenic effects for the active ingredients.

REPRODUCTIVE TOXICITY: No evidence of fertility or reproductive effects for the active ingredients.

12. ECOLOGICAL INFORMATION

This product is toxic to fish and shrimp (aquatic invertebrates). Azoxystrobin can be persistent for several months or longer. Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow may result in ground water contamination.

The following information is for the active ingredient, Azoxystrobin:

Rainbow Trout: (96-hour LC₅₀): 0.47 mg/L

Water Flea: (48-hour EC₅₀): 0.26 mg/L

Green Algae (120-hour EC₅₀): 0.11 mg/L

The following information is for the active ingredient, Propiconazole:

Rainbow Trout: (96-hour LC₅₀): 0.85 mg/L; (NOAEC): 0.015 mg/L (estimated)

Fathead Minnow: (96-hour LC₅₀): 5.4 mg/L; (NOAEC): 0.095 mg/L

Water Flea: (48-hour EC₅₀): 4.8 mg/L; (21-day NOAEC): 0.18 mg/L

Mysid Shrimp (96-hour LC₅₀): 0.51 mg/L; (28-day NOAEC): 0.205 mg/L

Green Algae (EC₅₀): 0.021 mg/L



13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

14. TRANSPORT INFORMATION

US-DOT:

Containers ≤ 119 gal. (450 L):
Not regulated

Containers > 119 gal. (450 L):
NA1993, Combustible liquid, N.O.S. (tetrahydrofurfuryl alcohol), PG III

IMDG:

Containers ≤ 1.3 gal. (5 L) in strong outer packaging:
Not regulated

Containers > 1.3 gal. (5 L) or containers not in strong outer packaging:

Shipped internationally by vessel: UN3082, Environmentally hazardous substance, liquid, N.O.S. (azoxystrobin, propiconazole), 9, PG III, Marine Pollutant

IATA:

Shipped by air: UN3082, Environmentally hazardous substance, liquid, N.O.S. (azoxystrobin, propiconazole), 9, PG III, Marine Pollutant

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

FIFRA –

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. HARMFUL IF SWALLOWED. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

Azoxystrobin can be persistent for several months or longer. Azoxystrobin has degradation products which have properties similar to

chemicals which are known to leach through soil to ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow may result in ground water contamination.

This product is toxic to fish and shrimp (aquatic invertebrates). Do not apply directly to water. 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 washwaters or rinsate.

Notify state and/or Federal authorities and Atticus, LLC immediately if you observe any adverse environmental effects due to use of this product.

PHYSICAL OR CHEMICAL HAZARDS

Do not use with or store near any oxidizing or reducing agents. Do not mix or allow to come in contact with oxidizing or reducing agents. Do not allow the ratio of product: water in field to exceed 1:1. Hazardous chemical reaction may occur.

SARA Title III – Section 302 Extremely Hazardous Substances
Not listed

SARA Title III – Section 311/312 Hazard Categories
Immediate

SARA Title III – Section 312 Threshold Planning Quantity

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients
None

CERCLA Reportable Quantity (RQ) –
Not listed

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemicals known to the state of California to cause cancer or reproductive harm.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. OTHER INFORMATION

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.

To the extent consistent with applicable law, neither Atticus, 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 ATTICUS, 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 ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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