



GUNNER™

14.3 MEC FUNGICIDE

SAFETY DATA SHEET

EMERGENCY CALL: 1-844-685-9173 (SafetyCall)

1. IDENTIFICATION

PRODUCT NAME: Gunner 14.3 MEC Fungicide
DESCRIPTION: A liquid fungicide
EPA REG. NO.: 91234-262
COMPANY IDENTIFICATION: Atticus, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

2. HAZARD IDENTIFICATION

WARNING

Causes serious eye irritation (H319)

Harmful if inhaled (H332)

Toxic to aquatic life (H401)



HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Serious eye damage/eye irritation	2A	None	-
Acute toxicity, inhalation	4		
Environmental Hazards		Category	
Hazardous to the Aquatic Environment - Acute (short-term)		2	

HAZARDS NOT REQUIRING CLASSIFICATION

DO NOT use or store near heat or open flame. DO NOT mix or allow to come into contact with oxidizing agents. Hazardous chemical reaction may occur.

PRECAUTIONARY STATEMENTS

Avoid breathing mist or vapors. Use only outdoors or in a well-ventilated area. (P261+P271)

Wash hands and exposed skin thoroughly after handling. Wear protective eyewear. (P264+P280)

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

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)

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help. (P304+P340+P317)

Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (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]-1,2,4-triazole	60207-90-1	13.5-15.5%
Inert ingredients	Trade Secret	Trade Secret	N/A

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. For emergency medical assistance, call SafetyCall: 1-844-685-9173.

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 INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: If ingested, induced emesis or lavage stomach. Treat symptomatically.

5. FIREFIGHTING MEASURES

Flash Point: > 110°C (> 230°F)

Fire and Explosion Hazards: Thermal decomposition may generate irritating and possibly toxic gases.

Extinguishing Medium: Water fog, foam, dry chemical, or carbon dioxide (CO₂)

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. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

NFPA Ratings: Health – 2 / Flammability – 1 / Reactivity – 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Spill Cleanup: Dike spill using suitable absorbent or impervious materials such as sand or clay. Collect and contain contaminated absorbent and place in an appropriate container for disposal. Pump any free liquid into an appropriate closed container and decontaminate tools and equipment following cleanup. Collect washings for disposal.

7. HANDLING AND STORAGE

Handling: DO NOT get in eye or on clothing. Avoid contact with skin. Avoid breathing vapor or spray mist. 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 a cool, dry place. Store in original container.

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: Wear protective eyewear, long sleeved shirt and long pants, chemical-resistant gloves including barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC) or Viton®, 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 was PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	light transparent amber liquid
Odor:	bitter sweet
Melting/freezing point:	not determined
Boiling point/Boiling range:	not determined
Flammability:	not determined
Flammability limits (upper/lower):	not determined
Flash point:	> 110°C (> 230°F)
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH:	6-7
Capillary viscosity:	137 cP @ 24°C, 73.2 cP @ 38°C
Solubility:	not determined
Partition coefficient:	not determined
Vapor pressure:	not determined
Density:	9.0-9.5 lbs./gal.
Relative vapor density:	not determined
Particle characteristics:	not determined

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Flame, heat, ignition sources.

CHEMICAL STABILITY: Stable under normal use ambient conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

The information presented below is based on substantially similar product:

ORAL TOXICITY (rat LD₅₀): 4,340 mg/kg

DERMAL TOXICITY (LD₅₀): > 2,020 mg/kg

INHALATION TOXICITY (LC₅₀): > 2.6 mg/L (4-hour)

EYE IRRITATION: Substantially irritating

SKIN IRRITATION: Non-irritating

SKIN SENSITIZATION: Not a contact sensitizer (Guinea pig)

CARCINOGENICITY:

EPA: Group C: "Possible human carcinogen" (propiconazole)

ACGIH: Not Listed **NTP:** Not Listed

IARC: Not Listed **OSHA:** Not Listed

MUTAGENIC TOXICITY: No evidence of mutagenic effects for the technical grade material or its metabolites.

REPRODUCTIVE TOXICITY/TERATOGENICITY: None observed for the active ingredient.

OTHER TOXICITY: None known.

12. ECOLOGICAL INFORMATION

This pesticide is toxic to fish and shrimp.

The following information is for the active ingredient, Propiconazole:

AQUATIC TOXICITY

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

Bluegill Sunfish (96-hour LC₅₀): 1.3 mg/L (estimated)

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

Mysid Shrimp (LC₅₀): 0.51 mg/L (estimated); (NOAEC): 0.205 mg/L

Daphnia (48-hour EC₅₀): 11.0 mg/L (estimated); (NOAEC): 0.18 mg/L

Algae (EC₅₀): 0.96 mg/L (estimated)

AVIAN TOXICITY

Bobwhite Quail (LD₅₀): 2,825 mg/kg

Mallard Duck (LD₅₀): > 5,620 mg/kg

OTHER TOXICITY

Not toxic to bees.

DEGRADABILITY

Propiconazole mobility in soil appears to be dependent on the soil's organic matter content. In general, propiconazole appears to be moderately mobile (Kd < 5) in soils with a low organic matter content (< 1 %). However, in soils with higher organic matter content (> 1 %), propiconazole appears to be relatively immobile (Kd > 5). Therefore, propiconazole may reach ground water in soils with low organic contents. Propiconazole may also contaminate surface water through offsite runoff and spray drift.

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

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:

Not regulated

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

IATA:

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:

Shipments by air: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains 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

WARNING Causes substantial, but temporary eye injury. DO NOT get in eyes or on clothing. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapor or spray mist. 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

This product is toxic to fish and shrimp. DO NOT apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. DO NOT contaminate water when disposing of equipment washwater or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT use or store near heat or open flame. DO NOT mix or allow to come into contact with oxidizing agents. Hazardous chemical reaction may occur.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances
Not listed

SARA Title III – Section 311/312 Hazard Categories
Immediate (Acute)

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

Propiconazole (CAS No. 60207-90-1): 13.5-15.5%

CERCLA Reportable Quantity (RQ) –
None

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 indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

SDS Version: 1.0

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