



# ALTERITY™

## 62.5 WG

### SAFETY DATA SHEET

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

#### 1. IDENTIFICATION

**PRODUCT NAME:** Alterity 62.5 WG  
**DESCRIPTION:** Granular fungicide  
**EPA Reg. No.:** 91234-89  
**COMPANY IDENTIFICATION:** Atticus, LLC  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513

#### 2. HAZARD IDENTIFICATION

##### DANGER

May cause cancer (H350)  
May cause an allergic skin reaction (H317)  
May cause respiratory irritation (H335)  
May cause damage to organs through prolonged or repeated exposure (H373)  
Very toxic to aquatic life with long lasting effects (H400+H410)



##### HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Carcinogenicity	1A	None	-
Sensitization, skin	1, 1A, 1B		
Specific target organ toxicity, repeated exposure		Environmental Hazards	
	2	Hazardous to the aquatic environment, short-term	1
		Hazardous to the aquatic environment, long-term	1
Specific target organ toxicity, single exposure			
	3		

##### PRECAUTIONARY STATEMENTS

Do not handle until all safety precautions have been read and understood. (P202)

Do not breathe dust. (P260)

Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse. (P272+P362+P364)

Use only outdoors or in a well-ventilated area. (P271)

Wear protective gloves / protective clothing. Refer to Section 8 for specific PPE requirements. (P280)

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

**IF ON SKIN:** Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Refer to Section 4 for additional medical information. (P302+P352+P333+P313)

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a Poison Center or doctor if you feel unwell. (P304+P340+P312)

Specific treatment. (See Section 4 for additional medical information). (P321)

**IF exposed or concerned:** Get medical advice or attention. (P308+P313)

Collect spillage. (P391)

Store locked up. Store in a well-ventilated place. Keep container tightly closed. (P405+P403+P233)

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
Cyprodinil	4-cyclopropyl-6-methyl-N-phenylpyrimidiamine	121552-61-2	37.5
Fludioxonil	4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile	131341-86-1	25.0
Crystalline silica, quartz and cristobalite	--	14808-60-7	Trade secret
Diamtomaceous earth	--	61790-53-2	Trade secret

#### 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. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300.

**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.

## 5. FIREFIGHTING MEASURES

**Flash Point:** Not applicable

**Fire and Explosion Hazards:** None known.

**Extinguishing Medium:** Dry Chemical, foam, or CO<sub>2</sub> extinguishing media. If water is used to fight fire, dike and collect runoff.

**Fire Fighting Equipment:** Firefighters should wear full protective clothing and self-contained breathing apparatus.

**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.

**Hazardous Combustion Products:** During a fire, irritating and possible toxic gases may be generated by thermal decomposition or combustion.

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

## 6. ACCIDENTAL RELEASE MEASURES

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

**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:** 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. Clean up spill immediately, observing precautions in Section 8. Sweep up material and place in a 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 disposal.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes, or clothing. Wash hands 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:** Keep this product in its tightly closed original container, when not in use. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.

## 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:** Mixers, loaders, applicators, and other handlers must wear long-sleeved shirts, long pants, shoes plus socks, and chemical resistant gloves made of any waterproof material.

**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

<b>Appearance:</b>	Gray to brown granules
<b>Odor:</b>	Weak, uncharacteristic
<b>Melting/freezing point:</b>	not available
<b>Boiling point/Boiling range:</b>	not available
<b>Flammability:</b>	not available
<b>Flammability limits (upper/lower):</b>	not available
<b>Flash Point:</b>	not available
<b>Auto-ignition temperature:</b>	not available
<b>Decomposition temperature:</b>	not available
<b>pH:</b>	9.3
<b>Kinematic viscosity:</b>	not available
<b>Solubility:</b>	not available
<b>Partition coefficient:</b>	not available
<b>Vapor pressure:</b>	not available
<b>Density:</b>	0.537 g/cm <sup>3</sup>
<b>Relative vapor density:</b>	not available
<b>Particle characteristics:</b>	not available

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** None known.

**CHEMICAL STABILITY:** Stable under all normal use and storage conditions.

**INCOMPATIBILITY WITH OTHER MATERIALS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ORAL TOXICITY (rat LD<sub>50</sub>):** > 5000 mg/kg

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 2,000 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** >2.51 mg/l air – 4 hours

**EYE IRRITATION:** Minimally Irritating (Rabbit)

**SKIN IRRITATION:** Slightly Irritating (Rabbit)

**SKIN SENSITIZATION:** Guinea pig – A skin sensitizer

**CARCINOGENICITY:**

**EPA:** Not Listed

**ACGIH:** A2 (crystalline silica, quartz and cristobalite)

**IARC:** Group 1 (crystalline silica, quartz and cristobalite)

**NTP:** Not Listed

**OSHA:** Not Listed

**MUTAGENIC TOXICITY:** No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

**REPRODUCTIVE TOXICITY:** Cyprodinil: No teratogenic potential was detected in tests with rats and rabbits. No effects on the reproductive performance of rats was detected.

Fludioxonil: Delayed development at doses causing maternal toxicity.

## 12. ECOLOGICAL INFORMATION

This pesticide is toxic to aquatic organisms, birds, and wildlife.

**The following information is for the active ingredient, Fludioxonil:**  
**AQUATIC TOXICITY**

Fish (Rainbow Trout) (96-hour LC<sub>50</sub>): 0.47 ppm

Invertebrate (Water Flea) Daphnia Magna (48-hour EC<sub>50</sub>): 0.9 ppm

Green Algae (EC<sub>50</sub>): 0.087 ppm

**AVIAN TOXICITY**

Bobwhite Quail (14-day LD<sub>50</sub>): > 2000 mg/kg

**The following information is for the active ingredient, Cyprodinil:**  
**AQUATIC TOXICITY**

Fish (Bluegill sunfish) (96-hour LC<sub>50</sub>): 2.18 ppm

Invertebrate (Water Flea) Daphnia Magna (48-hour EC<sub>50</sub>): 32 ppb

**AVIAN TOXICITY**

Mallard Duck (14-day LD<sub>50</sub>): > 500 mg/kg

## 13. DISPOSAL CONSIDERATIONS

**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. Refer to the product label for specific container disposal instructions.

## 14. TRANSPORT INFORMATION

**UN Number:** UN3077

**Proper Shipping Name:** Environmentally hazardous substance, solid, N.O.S. (Contains Cyprodinil and Fludioxonil)

**Transport Hazard Class:** 9

**Packing Group:** III

**Hazard Zone:** A

**Marine Pollutant:** Yes<sup>1</sup>

**Hazardous Substance RQ:** None

**Labels / Placards:** US-DOT: Class 9 Environmentally Hazardous Substance<sup>2</sup>  
IMDG, IATA: Class 9 Environmentally Hazardous Substance<sup>3</sup>

**Emergency Guide:** 171 (NAERG – North American Emergency Response Guide)

<sup>1</sup> **Marine Pollutant Note:** Ground-only shipments are excluded from Marine Pollutant labeling requirements as per 49CFR§172.101 Appendix B(4). For any shipments involving all or part of the transport by vessel, the shipment must be classified as a Marine Pollutant unless a limited quantity exemption applies (see note 3 below).

<sup>2</sup> **US-DOT Note:** Not regulated for “ground only” shipments.

<sup>3</sup> **IMDG / IATA Note:** Not regulated when shipped in single or inner packaging ≤ 1.3 gal (5 L).

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.** Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, 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.

See inside label booklet for additional precautionary statements.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, oysters and shrimp. 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. Do not contaminate water when disposing of equipment wash water or rinsate.

**Groundwater advisory:** This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

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**  
Acute Health Hazard, Fire hazard

**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) –**  
None

### CALIFORNIA PROP 65 STATUS –

**⚠ WARNING:** This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### 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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