



# 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  
940 NW Cary Parkway, Suite 200  
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	2	<b>Environmental Hazards</b>	<b>Category</b>
Specific target organ toxicity, single exposure	3	Hazardous to the aquatic environment, short-term	1
		Hazardous to the aquatic environment, long-term	1

##### PRECAUTIONARY STATEMENTS

Do not handle until all safety precautions have been read and understood. Obtain, read and follow all safety instructions before use. Do not breathe dust. (P202+P203+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. Avoid release to the environment not in accordance with the product label. Wear protective gloves / protective clothing. Refer to Section 8 for specific PPE requirements. (P271+ P273+P280)

**IF ON SKIN:** Wash with plenty of water. If skin irritation or rash occurs: Get medical help. Specific treatment Refer to Section 4 for additional medical information. Take off contaminated clothing and wash it before reuse. (P302+P352+P333+P317+P321+P362+P364)

**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)

IF exposed or concerned, get medical advice. Get medical help if you feel unwell. (P318+P319)

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 CO2 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:** Contain spillage and minimize spread. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Keep out of drains, sewers, ditches and water ways. Do NOT contaminate water when disposing of rinse waters.

**Spill Cleanup:** Avoid creating dust during cleanup. Sweep, scoop or shovel spilled material and place into suitable closed containers for reuse or disposal. After decontamination, spill area can be washed with water. Collect washwater for approved disposal. Place leaking containers in oversize leakproof drums for transport.

## 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:** Store in a tightly closed container in a cool, dry place.

## 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 was 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:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use 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.

**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 out packaging:**

Not regulated

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

Shipped internationally by vessel: UN3077, Environmentally hazardous substance, solid, N.O.S. (contains Cyprodinil and Fludioxonil), 9, PG III, Marine Pollutant

### IATA:

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

Shipments by air: UN3077, Environmentally hazardous substance, solid, N.O.S. (contains Cyprodinil and Fludioxonil), 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.** 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 mix or allow contact with oxidizing agents or reducing 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

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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