



## SAFETY DATA SHEET

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

### 1. IDENTIFICATION

**PRODUCT NAME:** Vango WG  
**DESCRIPTION:** Solid fungicide  
**EPA REG. NO.:** 91234-78  
**COMPANY IDENTIFICATION:** Atticus, LLC  
 940 NW Cary Parkway, Suite 200  
 Cary, NC 27513

### 2. HAZARD IDENTIFICATION

#### DANGER

May cause cancer (H350)  
 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

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

#### HAZARDS NOT REQUIRING CLASSIFICATION

May form combustible dust concentrations in air. Do not use, pour, spill or store near heat or open flame.

#### PRECAUTIONARY STATEMENTS

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

Do not breath dust. (P260)

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

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

Get Medical advice or attention if you feel unwell. (P314)

Collect spillage. (P391)

Store locked up 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	75.0%
Crystalline silica, quartz and cristobalite	-	14808-60-7	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 chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: **1-800-424-9300**.

**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.

**NOTE TO PHYSICIAN:** If ingesting, induce emesis or lavage stomach. Treat symptomatically.

### 5. FIREFIGHTING MEASURES

**Flash Point:** Not applicable

**Fire and Explosion Hazards:** May form combustible dust concentrations in air. Do not use, pour, spill or store near heat or open flame.

**Extinguishing Medium:** Foam, dry chemical, or carbon dioxide (CO<sub>2</sub>).

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

**NFPA Ratings:** Health – 1 / Flammability – 3 / 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 or soil. Contain contaminated water.

**Spill Cleanup:** Clean up spill immediately. 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 eyes, skin or clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

**Storage:** Store Material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling. Store locked up.

## 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:** Applicators, and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, and shoes plus socks.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Beige granules
<b>Odor:</b>	weak, unchar.
<b>Melting/freezing point:</b>	160-168°F
<b>Boiling point/Boiling range:</b>	not available
<b>Flammability:</b>	Combustible powder
<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>	8-10
<b>Kinematic viscosity:</b>	not available
<b>Solubility:</b>	12 mg/l @ 68°F (a.i.)
<b>Partition coefficient:</b>	not available
<b>Vapor pressure:</b>	3.8x10 <sup>-6</sup> mmHg @ 77°F (25°C) (a.i.)
<b>Density:</b>	0.47 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 normal use and storage conditions.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

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

**ORAL TOXICITY (rat LD<sub>50</sub>):** >2000 mg/kg

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

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 2.3 mg/L (4-hour)

**EYE IRRITATION:** Slightly irritating

**SKIN IRRITATION:** Slightly irritating

**SKIN SENSITIZATION:** Guinea pig – Not a Sensitizer

**CARCINOGENICITY:**

**EPA:** Not Listed

**ACGIH:** A2 (crystalline silica, quartz and cristobalite) **NTP:** Not Listed

**IARC:** Group 1 (crystalline silica, quartz and cristobalite) **OSHA:** Not Listed

**MUTAGENIC TOXICITY:** No evidence of mutagenic effects for the active ingredients or other components.

**REPRODUCTIVE TOXICITY:** No evidence of fertility or reproductive effects for the active ingredient cyprodinil.

**TERATOGENICITY:** No evidence of teratogenic effects for the active ingredient cyprodinil.

**OTHER TOXICITY:** May cause damage to organs (liver, kidneys and thyroid effects) at high doses (cyprodinil). Inert ingredients may cause respiratory tract irritation.

## 12. ECOLOGICAL INFORMATION

This pesticide is toxic to fish and aquatic invertebrates.

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

**AQUATIC TOXICITY**

Bluegill: (96h LC<sub>50</sub>) 2.18 ppm

Daphnia Magna: (48h 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 wastes may be toxic. 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 at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. See container labeling for complete disposal instructions.

## 14. TRANSPORT INFORMATION

<b>UN Number:</b>	UN3077
<b>Proper Shipping Name:</b>	Environmentally Hazardous Substance, Solid, N.O.S. (Contains Cyprodinil)
<b>Transport Hazard Class:</b>	9
<b>Packing Group:</b>	III
<b>Hazard Zone:</b>	A
<b>Marine Pollutant:</b>	Yes <sup>1</sup>
<b>Hazardous Substance RQ:</b>	None
<b>Labels / Placards:</b>	US-DOT: Class 9 Environmentally Hazardous Substance <sup>2</sup> IMDG, IATA: Class 9 Environmentally Hazardous Substance <sup>3</sup>
<b>Emergency Guide:</b>	171 (NAERG – North American Emergency Response Guide)
<b><sup>1</sup>Marine Pollutant Note:</b>	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).
<b><sup>2</sup>US-DOT Note:</b>	Not regulated for “ground only” shipments.
<b><sup>3</sup>IMDG / IATA Note:</b>	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 and aquatic invertebrates. 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 from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

#### Surface and Ground Water Advisory:

This chemical may contaminate water through runoff.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill 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, Fire

**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 –

**⚠ 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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