

**1. IDENTIFICATION**

**PRODUCT NAME:** ARG Metalaxyl Technical  
**DESCRIPTION:** A manufacturing use product used for formulation into fungicides  
**EPA Reg. No.:** 87373-100

**COMPANY IDENTIFICATION:**  
**Argite, LLC**  
940 NW Cary Parkway, Suite 200  
Cary, NC 27513

**2. HAZARD IDENTIFICATION**



**WARNING**  
Causes serious eye irritation  
Harmful if swallowed

Harmful to aquatic life

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Metalaxyl	Methyl <i>N</i> -(2,6-dimethylphenyl)- <i>N</i> -(methoxyacetyl)-DL-alaninate	57837-19-1	98.53%

**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-24-hour medical emergency assistance (human or animal) call 1-800-222-1222. For chemical emergency assistance (spill, leak, fire, or accident) call ChemTrec at 1-800-424-9300.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. If eye irritation persists: Get medical advice/attention.

**IF SWALLOWED:** Immediately call a doctor or poison control center. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**5. FIREFIGHTING MEASURES**

**Flash Point:** unknown

**Fire and Explosion Hazards:** Thermal decomposition may release irritating or toxic fumes (Section 10)

**Extinguishing Medium:** Water fog, 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. 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:** 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:** Sweep up small spills and place material in appropriate container for disposal. Contain large spills and recover for disposal. Wash spill area, tools, and equipment and absorb any excess liquid and add to the recovery contains for disposal. Dispose wastes as described in Section 13.

## 7. HANDLING AND STORAGE

**Handling:** Do not get in eyes or on clothing. Avoid contact with skin. 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:** Always use original container to store pesticides in a cool, dry secured warehouse or storage building. Do not store near food and feed. Containers should be opened in well-ventilated areas. Keep container tightly sealed when not in use.

## 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 long-sleeved shirt and long pants, socks, shoes, protective eyewear, and gloves made out of waterproof materials.

**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

**Physical State:** Fine white powder

**MW:** 279.3

**Molecular Formula:** C<sub>15</sub>H<sub>21</sub>NO<sub>4</sub>

**Flashpoint:** N/A

**Melting Point:** 63.5-72.3°C

**Specific Gravity:** 1.20 (at 20°C)

**Solubility:** water (8.4 g/L), ethanol (400 g/L), acetone (450 g/L), toluene (340 g/L), *n*-hexane (11 g/L)

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Excessive heat, do not store near heat or flame.

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

**INCOMPATIBILITY WITH OTHER MATERIALS:** Strong oxidizing agents and acids

**HAZARDOUS DECOMPOSITION PRODUCTS:** This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed / indicated. When thermally decomposed, may release oxides of carbon and nitrogen.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ORAL TOXICITY (rat LD<sub>50</sub>):** 633 mg/kg (lit.)

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 3,100 mg/kg (lit.)

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 3.6 mg/L (lit.)

**EYE IRRITATION:** Substantial but temporarily irritating

**SKIN IRRITATION:** Non-irritating

**SKIN SENSITIZATION:** Guinea pig – Not a contact sensitizer

**CARCINOGENICITY:**

**EPA:** Not Listed

**ACGIH:** Not Listed

**IARC:** Not Listed

**NTP:** Not Listed

**OSHA:** Not Listed

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

**REPRODUCTIVE TOXICITY:** Not known to cause reproductive or birth defects at normal exposure levels.

## 12. ECOLOGICAL INFORMATION

The following information is for the active ingredient, Metalaxyl:

### AQUATIC TOXICITY

Rainbow Trout (96-hour LC<sub>50</sub>): > 100 mg/L

Bluegill (96-hour LC<sub>50</sub>): > 100 mg/L

Daphnia (48-hour LC<sub>50</sub>): > 28 mg/L

Mysid (96-hour EC<sub>50</sub>): 25 mg/L

Oysters (96-hour EC<sub>50</sub>): 4.6 mg/L

Algae (5-d IC<sub>50</sub>): 33 mg/L

### AVIAN TOXICITY

Bobwhite Quail (8-d LC<sub>50</sub>): > 10,000 mg/kg

Mallard Duck (8-d LD<sub>50</sub>): 1,466 mg/kg

### OTHER TOXICITY

Honey Bee (contact 48-hour LD<sub>50</sub>): > 200 µg/bee (not toxic to bees)

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Open dumping is prohibited. 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

### US DOT (shipped by land):

Not regulated.

### IMDG (shipped by vessel):

Not regulated.

### IATA (shipped by air):

Not regulated.

## 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. Harmful if swallowed or absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes, protective eyewear, and gloves made out of waterproof materials. Remove and wash contaminated clothing before reuse.

See label for additional precautionary statements.

##### **Environmental Hazards**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. 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 EPA.

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

### **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 –**

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 Argite, 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 ARGITE, 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 ARGITE, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SDS Version: 1.0

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Name/Address Updated: 10/4/2023