

Azomar™

February 28, 2018

SAFETY DATA SHEET

1. IDENTIFICATION

PRODUCT NAME: Azomar™, Azomar™ insecticide

DESCRIPTION: A granular insecticide

EPA REGISTRATION NUMBER: 91234-14-92488

MANUFACTURED FOR:
AgBiome Innovations™, Inc.
P.O. Box 14069
Research Triangle Park, NC 27709

EMERGENCY TELEPHONE NUMBER:
Call CHEMTREC Day or Night
1-800-424-9300

2. HAZARDS IDENTIFICATION

WARNING:



Harmful if swallowed
Causes eye irritation
Harmful to aquatic life

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CHEMICAL NAME	CAS #	COMPOSITION
Acetamiprid	(E)-N-[(6-chloro-3-pyridyl)methyl]N-cyano-N-methyl acetamidine	135410-20-7	30.0%

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 medical emergencies involving this product, call CHEMTREC toll free at 1-800-424-9300.

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

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. If eye irritation persists: Get medical advice/attention.

NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

5. FIRE-FIGHTING MEASURES

FLASH POINT: N/A, not combustible

FIRE AND EXPLOSION HAZARDS: Thermal decomposition may produce toxic fumes (see Section 10).

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 – 1 / 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: Control spill at the source and prevent material from entering soil, sewers, waterways or low areas. Large spills to soil or similar surfaces may require removal and disposal of topsoil. Contain contaminated water / firefighting water.

SPILL CLEANUP: Avoid creating dust during cleanup. Sweep, scoop or shovel spilled material and place into suitable closed containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal. Decontaminate tools and equipment following cleanup.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin or clothing. Avoid breathing vapors or spray mist. Keep out of reach of children and domestic animals.

STORAGE: Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers, veterinary supplies, and the home. The storage area must be locked, dry, cool, well-lit, and well ventilated. Protect pesticide containers from storage where temperatures exceed 115°F (46°C) frequently.

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, chemical resistant gloves made of any waterproof material (such as nitrile rubber, neoprene rubber, barrier laminate, polyvinyl chloride (PVC), or viton) and chemical resistant headgear for overhead exposure.

GENERAL: Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: White granular solid

ODOR: Mildly bitter

FLASHPOINT: N/A (will not flash)

PH: 8.2 (corrected to 25°C)

BULK DENSITY: 46 lb/ft³

SOLUBILITY: Soluble

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; acids and bases.

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, nitrogen, hydrochloric acid, or hydrogen cyanide.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (RAT LD₅₀): > 886 mg/kg (male), 805 mg/kg (female)

DERMAL TOXICITY (RAT LD₅₀): > 2,000 mg/kg

INHALATION TOXICITY (RAT LC₅₀): Data not available

EYE IRRITATION: Moderately irritating

SKIN IRRITATION: Mildly irritating

SKIN SENSITIZATION: Guinea pig – Not a contact sensitizer

CARCINOGENICITY:

EPA: Not Listed **NTP:** Not Listed

ACGIH: Not Listed **OSHA:** Not Listed

IARC: 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, Acetamiprid:

AQUATIC TOXICITY

Carp (96-hour LC₅₀): > 100 mg/L

Daphnia (48-hour EC₅₀): 49.8 mg/L

Algae (72-hour EC₅₀): > 98.3 mg/L

AVIAN TOXICITY

Bobwhite Quail (LC₅₀): > 5,000 mg/kg

Mallard Duck (LD₅₀): 98 mg/kg

OTHER TOXICITY

Honey Bee (oral LD₅₀): > 14.5 µg/bee

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Water, food, or feed contaminated with this product is unfit for human or animal consumption. 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: Not regulated by DOT.

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. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Harmful if inhaled. Avoid breathing vapors or spray mist. Keep out of reach of children and domestic animals.

ENVIRONMENTAL HAZARDS

This product is toxic to birds and aquatic invertebrates. This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area. 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 washwater or rinsate. Do not contaminate water used for irrigation or domestic purposes.

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

History:

Date of issue:	February 28, 2018
Version:	1.0
Revised sections:	Not applicable
Prepared by:	AgBiome Innovations™, Inc.

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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.

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