

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: AzaGuard®, U.S. EPA #70299-17  
 Product Type: Biopesticide/Insecticide  
 Manufacturer: BioSafe Systems LLC  
 22 Meadow Street  
 East Hartford, CT 06108  
 (888) 273-3088

Emergency: CHEMTREC: 800-424-9300 (24 HOURS EVERY DAY)

Creation Date: 11/2009

NOTE: NOT VALID TWO YEARS AFTER CREATION DATE.

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Azadirachtin	CAS #11141-17-6	3 %
Other ingredients		97 %

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** May cause eye and skin irritation. May cause respiratory irritation, especially at temperatures over 90°F. Contains a combustible liquid.

**Signal Word:** CAUTION

#### Potential Health Effects

**Route(s) of Entry:** Eyes, skin, oral, inhalation.

**Signs of Acute Overexposure:** May cause skin and eye irritation. May cause skin sensitization.

**Signs of Chronic Overexposure:** None known.

**Carcinogenicity:** None known.

**Medical Conditions Aggravated by Exposure:** None known

### 4. FIRST AID MEASURES

**If on skin:** Wash with plenty of soap and water. Get medical attention.

**If inhaled:** Move person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**If swallowed:** 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.

**If in eyes:** Hold eye open and flush with a steady, gentle stream of water for at least 15 minutes. Get medical attention.

### 5. FIRE-FIGHTING MEASURES

#### Flammability Properties:

**Flash Point (TCC)** 165°F (74°C)  
**Autoignition Temperature** 540°F (282°C)

#### Flammable Limits

**Upper** 1.5%  
**Lower** 9.7%

**Fire fighting methods** Do not breathe fumes.

**Extinguishing media** Foam, carbon dioxide, dry chemical, water fog, water spray.

**Specific hazards:** Incomplete combustion of this product may result in fumes and vapors of unknown composition. Stay upwind in case of fire.

### 6. ACCIDENTAL RELEASE MEASURES

**Precautions:** Observe hazards outlined in Sections 5 & 8. Keep away materials that are incompatible with this product (section 10) Avoid direct contact of this product with water.

**Cleanup:** Cover with absorbent (clay, sawdust, straw, kitty litter, etc.) to absorb the liquid. Sweep into an open drum. Clean the area with common powdered household detergent and a stiff brush and just enough water to make a slurry. Absorb and sweep into the same open drum. Rinse with water, absorb, and add to the waste drum.

**Waste Disposal:** Refer to section 13.

### 7. HANDLING AND STORAGE

Never return unused product to the original container. Keep concentrate away from reactive substances.

Keep product tightly sealed in original container.

Store in ambient conditions (50 – 95 °F / 10 - 35° C), away from food, feed, fertilizers, or seeds.

Keep out of direct sunlight and away from heat or flame sources.

Do not allow to freeze.

Wear recommended PPE, as indicated below in #8.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory:	Use with adequate ventilation.
Eyes:	Safety glasses should be worn
Hands:	Protective gloves – chemical resistant
Skin:	Long-sleeved shirt and long pants, socks and shoes.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Clear brown
Odor:	Slightly pungent
Boiling Point:	Approximately 334°F (178°C)
Melt/Freeze Point:	Not determined
Flash Point:	>200°F (100°C)
pH:	5.3
Specific Gravity:	1.064
Density:	N/A
Solubility:	Emulsifies in water
Vapor Pressure:	0.20 mm Hg

### 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions

**Avoid:** Heat/Flame/Sparks • Water/Moisture • Acids • Strong Oxidizing Agents • Reducing Metals • Alkali Metals

**Hazardous Decomposition Products:** None known

**Hazardous Polymerization:** Will not occur

### 11. TOXICOLOGICAL INFORMATION

Eye Irritation = Moderate Irritant (Toxicity Category II)

Skin Irritation = Slight Irritant (Toxicity Category IV)

Dermal = LD50 (rabbit) > 5,050 mg/kg

Inhalation = LC50, (rat) > 2.6 mg /L

Oral = LD50 (rat) >5,050 mg/kg

**Teratogenicity:** No evidence available to indicate this product is teratogenic.

**Mutagenicity:** No evidence available to indicate this product is mutagenic.

**Carcinogenicity:** None of the components of this product have been found to be carcinogenic.

### 12. ECOLOGICAL INFORMATION

Not expected to cause ecological problems. Uncontrolled releases of this product should be avoided.

### 13. DISPOSAL CONSIDERATIONS

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Packaging Treatment: Rinse empty containers with clean water and treat the effluent the same as waste. Clean and empty containers are to be recycled or disposed of in accordance with local regulations.

### 14. TRANSPORT INFORMATION

<b>D.O.T. Class:</b>	Not regulated
<b>UN Number:</b>	Not regulated
<b>IMDG Class (sea):</b>	Not regulated
<b>AITA Class (air):</b>	Not regulated
<b>Marine Pollutant:</b>	No
<b>Packing Group:</b>	Not regulated
<b>Hazard Label(s):</b>	Not regulated
<b>ADR Class (road):</b>	Not regulated
<b>Proper Shipping Name(s):</b>	Not regulated
<b>Reportable Quantity:</b>	No

### 15. REGULATORY INFORMATION

#### U.S. Federal Regulations:

This product is registered under EPA/FIFRA Regulations. It is a violation of Federal Law to use this product in any manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.

Canadian Regulations: This product is not registered in Canada

#### SARA Title III Data:

##### Sections 311 and 312 Hazard Categories:

**Immediate Health Hazard:** Yes

**Delayed Health Hazard:** Yes

**Fire Hazard:** Yes

**Reactive Hazard:** No

**Sudden Pressure Release Hazard:** No

**Section 302 Extremely Hazardous Substances:** No

**Section 313 Toxic Chemicals:** None

**CERCLA Hazardous Substances Reportable Quantity:** None.

### 16. OTHER INFORMATION

To the extent of our knowledge, the information herein is accurate as of the date of this document. However, neither BioSafe Systems nor any of its affiliates make any warranty, expressed or implied, or accept any liability in connection with the information or its use. The information is for use by technically skilled persons at their own discretion and risk. This is not a license or a patent. The user alone must finally determine suitability of any information or material for any contemplated use, the manner or use and whether any patents are infringed.

For additional information on AzaGuard, call us toll-free at 1.888.273.3088.

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