

Section 1: Identification	
Product Name: AzaGuard®	Product Type/Description: Botanical Based Insecticide / Nematicide
Recommended Use/ Use Restrictions: Insecticide/ Pesticide; It is a violation of federal law to use this product in a manner inconsistent with its labeling	Other Means of Identification: Azadirachtin
	EPA Registrations Number: 70299-17
Manufacturer: BioSafe Systems LLC 22 Meadow Street, East Hartford, CT 06108 Telephone Number: (888-273-3088)	Emergency Number: 800-424-9300 (CHEMTREC)

Section 2: Hazard Identification		
GHS Classification (As Concentrate) Not Classified as hazardous	Hazard Statements: (As Concentrate) Not Classified as hazardous	Pictogram: None EPA Signal Word: Caution (See Section 15)
Precautionary Statements:		
General: P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P103: Read label before use. Prevention: P264: Wash thoroughly after handling P280: Wear eye protection, protective clothing, gloves	Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor if symptoms persist. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P321: For specific treatments see FIRST AID section on SDS or label Storage: P410: Protect from sunlight Disposal P501: Dispose of contents/container in accordance with local/regional/national/international regulations	

Section 3: Composition/Information on Ingredients		
Components:	CAS-No:	% Concentration by Weight:
Azadirachtin	11141-17-6	3%
Other Ingredients		97%

Section 4: First-aid Measures	
Eye Contact:	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
Skin Contact:	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.
Ingestion	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.
Inhalation:	Move person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Section 5: Fire-fighting Measures	
Suitable Extinguishing Media:	Foam, carbon dioxide, dry chemical, water fog, water spray.
Unsuitable Extinguishing Media:	None Known
Combustion Products:	None Known
Unusual Fire and Explosion Hazards:	Incomplete combustion of this product may result in fumes and vapors of unknown composition. Stay upwind incase of fire
Protective Equipment for Firefighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: Accidental Release Measures	
Personal Precautions:	Observe hazards outlined in Sections 5 & 8. Keep away materials that are incompatible with this product (section 10) Do not touch or walk through spilt material. Put on appropriate personal protective equipment
Emergency Procedures	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".
Environmental Precautions	Avoid dispersal of spilt material and runoff and contact with, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and Material for Containment and Cleaning up	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.

Section 7: Handling and Storage	
Handling:	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container.
Storage:	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
General Occupational Hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 8: Exposure Controls/Personal Protection		
Components with workplace control parameters: Exposure Limits: None		
Engineering Controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	
Personal Protection Equipment	Respiratory	Use with adequate ventilation. NIOSH approved organic vapor respirator when in contact with mists or vapors
	Eye/Face Protection	Protective eye wear
	Hands	Chemical-resistant, impervious gloves
	Skin/Body	Long-sleeved shirt and long pants, socks and shoes.
	General Hygienic Practices	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Section 9: Physical and Chemical Properties		
Appearance: Clear Brown Liquid	Odor: Slightly pungent	pH: 5.3
Melting Point: No data available	Freezing Point: No data available	Boiling Point: Approximately 334°F (178°C)
Flash Point: >200°F (100°C)	Flammability: Not applicable	Flammable Limits: Not Upper 1.5% Lower 9.7% applicable
Vapor Pressure: 0.20 mm Hg	Specific Gravity: 1.064	Solubility(ies): Emulsifies in water
Partition Coefficient n- octanol/water: No data available	Auto-ignition Temperature: No data available	Decomposition Temperature: No data available

Section 10: Stability and Reactivity	
Stability:	The product is stable under normal conditions
Conditions to Avoid	Direct Sunlight/ Heat/Flame/Sparks
Incompatible materials	Acids • Strong Oxidizing Agents• Reducing Metals • Alkali Metals
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information		
Acute Toxicological Data:	Oral: LD50 rat > 5000 mg/kg	Dermal: LD50 rabbit 5,050 mg/kg
Inhalation: LD50 (rat) > 2.6 mg /L (Azadirachtin Technical)	Primary Skin irritation: Slight Irritant	Primary Eye irritation: Moderate Irritant
Likely Routes of Exposure: Dermal		
Symptoms and effects:		
	Eye Contact	Acute Effects Eye irritation
	Skin Contact	May irritate skin
	Ingestion	May be harmful if swallowed

Section 12: Ecological Information	
Ecotoxicity	Not expected to cause ecological problems. Uncontrolled releases of this product should be avoided.
Persistence and degradability	Exhibits rapid degradation and low persistence in soil
Bioaccumulation potential	No bioaccumulation
Mobility in Soil	N/A
Other adverse effects	N/A

Section 13: Disposal Considerations	
Waste From Residues and Unused Product	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
Contaminated Container Disposal	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.

Section 14: Transport Information						
	UN Number	UN Proper Shipping Name	Hazard Class (Subsidiary)	Label (Subsidiary)	Packing Group	Marine Pollutant
US DOT	Not regulated	Not regulated	NA	NA	NA	No
Canada (TDG)	Not regulated	Not regulated	NA	NA	NA	No

Section 15: Regulatory Information		
TSCA Inventory List: All components are listed or exempted.	US EPA CERCLA RQ: No products were found	
SARA Title III Section Extremely Hazardous Substance:	Section 304 EHS RQ: No products were found	Section 302 TPQ: No products were found
SARA Title III Sec. 311/312:	Hazard category: NA	
US. EPA EPCRA Section 313 listed: No products were found	Threshold quantity (processed or manufactured): NA	Threshold quantity (otherwise used): NA
Canadian WHIMIS Classification	Not Determined	
California Prop 65	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.	
EPA	This product is a registered Pesticide with the United States Environmental Protection Agency and is subject to EPA labeling requirements under the Federal Insecticide, Fungicide, and Rodenticide Act ("FIFRA"). These requirements may differ from the classification criteria and hazard information required for a safety data sheet under the Global Harmonized Systems (GHS), and for workplace labels of non-pesticides chemicals. It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Always refer to product label for further precautionary information and use directions.	

Section 16: Other Information

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BioSafe Systems

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