

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

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

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

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

Section 5: Fire-fighting Measures	
<b>Suitable Extinguishing Media:</b>	Foam, carbon dioxide, dry chemical, water fog, water spray.
<b>Unsuitable Extinguishing Media:</b>	None Known
<b>Combustion Products:</b>	None Known
<b>Unusual Fire and Explosion Hazards:</b>	Incomplete combustion of this product may result in fumes and vapors of unknown composition. Stay upwind incase of fire
<b>Protective Equipment for Firefighters:</b>	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

<b>Personal Precautions:</b>	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
<b>Emergency Procedures</b>	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".
<b>Environmental Precautions</b>	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).
<b>Methods and Material for Containment and Cleaning up</b>	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

<b>Handling:</b>	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.
<b>Storage:</b>	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
<b>General Occupational Hygiene</b>	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

<b>Components with workplace control parameters: Exposure Limits:</b> None		
<b>Engineering Controls</b>	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	
<b>Personal Protection Equipment</b>	<b>Respiratory</b>	Use with adequate ventilation. NIOSH approved organic vapor respirator when in contact with mists or vapors
	<b>Eye/Face Protection</b>	Protective eye wear
	<b>Hands</b>	Chemical-resistant, impervious gloves
	<b>Skin/Body</b>	Long-sleeved shirt and long pants, socks and shoes.
	<b>General Hygienic Practices</b>	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

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

### Section 10: Stability and Reactivity

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

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

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

Section 13: Disposal Considerations	
<b>Waste From Residues and Unused Product</b>	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.
<b>Contaminated Container Disposal</b>	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
<b>US DOT</b>	Not regulated	Not regulated	NA	NA	NA	No
<b>Canada (TDG)</b>	Not regulated	Not regulated	NA	NA	NA	No

Section 15: Regulatory Information			
<b>TSCA Inventory List:</b> All components are listed or exempted.	<b>US EPA CERCLA RQ:</b> No products were found		
<b>SARA Title III Section Extremely Hazardous Substance:</b>	<b>Section 304 EHS RQ:</b> No products were found	<b>Section 302 TPQ:</b> No products were found	
<b>SARA Title III Sec. 311/312:</b>	<b>Hazard category:</b> NA		
<b>US EPA EPCRA Section 313 listed:</b> No products were found	<b>Threshold quantity (processed or manufactured):</b> NA	<b>Threshold quantity (otherwise used):</b> NA	
<b>Canadian WHIMIS Classification</b>	Not Determined		
<b>California Prop 65</b>	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.		
<b>EPA</b>	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

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 discretions 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 or visit [www.biosafesystems.com](http://www.biosafesystems.com).  
©2014 Copyright BioSafe Systems, LLC. ®AzaGuard is a registered trademark of BioSafe Systems, LLC. Always read and follow label directions.  
Issuing Date: 5/15  
Revision Number: r1