Material Safety Data Sheet Product Name : ECOARMOR[™] Botanical Insecticide, Miticide, and Nematicide

1. Chemical, Product and C		cation		
ECOARMOR [™] Botanical Insect	icide, Miticide, Nen	naticide acts as an insect	anti-feedant, insect growth regulator (IGR), and insect repellant.	
EPA Signal Word CAUTION		<u>Chemical Name</u> AZADIRACHTIN	Chemical ClassEPA Registration NumberBIOCHEMICAL PESTICIDE89152-2	
Formulator :			Emergency Telephone Numbers :	
ECOSTADT TECHNOLOGIES LLC.			National Pesticide Information Center (NPIC)	
1024 Iron Point Road, Suite 100-1318			1-800-858-7358 – 6.30 am to 4.30 pm Pacific Time	
Folsom, CA 95630			1-800-222-1222 – During Other Times	
(916) 357-6607			CHEMTREC [®]	
			1-800-424-9300 / 1-703-527-3887	
2. Ingredients				
Chemical Component	Percent Range	CAS Numbers	OSHA-PEL ACGIH-TLV NTP/IARC/OSHA OTHER CARCINOGEN	
AZADIRACHTIN	1.5%	11141-17-6 95507-03-2	N/A N/A N/A N/A	
Other Ingredients	98.5%		N/A N/A N/A N/A	
3. Hazards Identification			5. Fire Fighting Measures and Explosion Hazard Data	
Emergency Overview :			Flash Point: >300 °F (100 °C) Upper & Lower Flammable	
Physical Properties			Limits : NK	
Appearance : Brown Liquid	4		Auto ignition Temperature : Not established	
Odor : Ripe fruit odor at 20			Fire Extinguishing Media : CO ₂ , Dry Chemical, Foam	
Hazardous Decomposition		e Known	Special Fire Fighting Procedures : Evacuate personnel to a	
Unusual Fire, Explosion, and Reactivity Hazards : None Known			safe area. Wear positive-pressure breathing apparatus and ful	
Aquatic Toxicity : Toxic to fish			protective clothing. Fight fire from maximum distance. Stay up	
Potential Health Effects			wind and out of low areas.	
Acute Effects : Harmful if absorbed through the skin			6. Accidental Release Measures	
Symptoms of Acute Expo	sure : None Know	vn	Steps to be Taken if Material is Released or Spilled	
Chronic Effects : None Known			General : Consult an expert on the disposal of recovered	
Carcinogenicity : None of the components in this material is lister				
IARC, NTP, OSHA, or ACG	IH as a carcinoge	n.	 requirements and ensure conformity of local disposa regulations. Notify the appropriate authorities immediately. 	
4. First Aid Measures			Take all additional action necessary to prevent and remedy the	
Primary Routes of Exposure	a :		adverse effects of the spill.	
Inhalation, Ingestion, Skin			Specific : Evacuate personnel, thoroughly ventilate area, and	
Sign and Symptoms of Expo	osure :		use self contained breathing apparatus and protective clothing. Dike spill. Absorb spilled material with Dri-Rite, sawdust, sand,	
Inhalation: May be irritating to mucous membranes and excessive			or other adsorbent material, taking care not to generate dust.	
exposure may result in drow			Collect clean-up material into drums, cover, and label for	
Ingestion : May cause drov			disposal according to local regulations. Scrub contaminated	
Skin Contact : May cause mild irritation.			area with detergent and water. Prevent liquid from entering sewers, waterways, or low areas. Product is not regulated	
Eye Contact : May cause mild irritation. Emergency First Aid Procedure :			under RCRA or CERCLA.	
If Inhaled : Move person to fresh air. If person is not breathing,			7. Handling and Storage	
call 911 or an ambulance				
preferably mouth-to-mouth i	f possible. Get me	edical attention.	Precautions in Handling : Do not contaminate water, food, or feed by storage or disposal. Wash hands before eating,	
If Ingested : Induce vomiting by gastric lavage. Call a physician for medical advice.			drinking, chewing gum, using tobacco products, or using the	
If on Skin : Take off contaminated clothing. Wash skin with plenty			toilet. Remove clothing immediately if pesticide gets inside and then wash thoroughly and put on clean clothes.	
of soap and water. Call a physician for medical advice.			Storage : Store in cool, dry place. Keep in tightly closed and	
If in Eyes : Hold eye open and rinse slowly & gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, and then continue rinsing eyes with excessive water. Call a physician for medical advice.			original containers. Do not store this product above 105 °F or below 320F for extend periods of time. Best to keep in cool dry place and to avoid direct sunlight. Do not re-fill or re-use containers. Dispose of containers in an approved waste facility.	

8. Exposure Controls/Personal Protection	13. Disposal Considerations	
 Ventilation Requirements : Thorough ventilation is recommended in case of accidental spillage. Personal Protective Equipment : Harmful if absorbed through skin or inhaled. Avoid breathing vapor. Causes moderate eye irritation. Prolonged or frequently. 	Do not contaminate water, food, or feed by storage or disposal. Dispose of containers in an approved disposal facility – refer to product labeling. Open dumping is prohibited. Do not re-fill or re-use containers. Ensure compliance with Local, State, and Federal regulations. Do not flush to surface water or sanitary sewer systems.	
repeated skin contact may cause allergic reactions in some	14. Transportation Information	
individuals. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Wash contaminated clothing before reuse.	DOT Classification: Not regulated International Maritime Organization: Not regulated	
Manufacturing and Packaging Employees :	International Civil Aviation Organization: Not regulated	
Eye/Face: Wear chemical safety goggles	Special Instructions: No special instruction on handling required	
Skin Protection: Wear protect gloves	Flammability: Non flammable	
Respiratory Protection: Thorough ventilation is recommended in case of accidental spillage	Transport by Air: Safe for Air Transport	
Additional Information: Wash hands before eating, drinking,	15. Regulatory Information	
 chewing gum, using tobacco products, or using the toilet. Remove clothing immediately if pesticide gets inside and then wash thoroughly and put on clean clothing. Applicators and Handlers: Must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. 	SARA Title III Classifications Section 302/304 N/A Section 311/312 N/A Section 313 Chemical(s) N/A	
9. Physical and Chemical Properties	Proposition 65	
Appearance : Brown liquid	Not Applicable	
Specific Gravity : 1.08 g/ ml (8.98 lb / gal) @ 22 °C	CERCLA Reportable Quantity (RQ)	
Dispersion in Water : Dispersible	Not Applicable	
pH : 4.5 @ 19 °C (1% w/w aqueous)	RCRA Classification	
Odor : Ripe fruit odor at 20 C	Under RCRA, it is the responsibility of the product user to	
Viscosity : Not Known	determine at the time of disposal, whether a material containing	
Boiling point : Not Known	the product or derived from the product should be classified as a hazardous waste.	
Freezing point : -10 °C		
Vapor pressure : 96 mm Hg @ 20 °C	TSCA Status	
10. Stability and Reactivity	Not Applicable	
Stability : Stable at ordinary conditions of use and storage.	16. Other Information	
Incompatibility : Incompatible with acid, alkaline, and oxidizing substance	NFPA Hazard Ratings	
Decomposition/ By Products : Will produce oxides of Carbon,	Health: 1 0 Least	
Nitrogen etc.	Flammability: 1 1 Slight	
Hazardous Polymerization : Unknown.	Reactivity: 0 2 Moderate	
11. Toxicological Information	3 High	
Acute Toxicity/Irritation Studies:	4 Severe	
Acute Oral : Rat $LD_{50} > 5,000 \text{ mg/kg}$	Prepared by : ECOSTADT TECHNOLOGIES L.L.C.	
Acute Dermal : Rabbit LD ₅₀ > 2,000 mg/kg		
Acute Inhalation : Rat LD ₅₀ > 1.32 mg/ L	The information contained herein is provided in good faith and is	
Primary Eye Irritation : Rabbit – No irritation	believed to be correct as of the date. However, ECOSTADT TECHNOLOGIES L.L.C. makes no representation as to the comprehensiveness or accuracy of the information. It is expected	
Skin Sensitization : Guinea Pig – No sensitization		
12. Ecological Information	that individuals receiving the information will exercise their	
Acute Fish Toxicity (Rainbow Trout) : Moderately Toxic	 independent judgment in deforming its appropriateness for a specific purpose. Accordingly, ECOSTADT TECHNOLOGIES 	
Acute Daphnia Immobilization : Slightly Toxic	L.L.C. will not be responsible for damage of any kind resulting	
Effect on Birds : Non Toxic	from the use of or reliance upon such information.	
	ECOARMOR [™] is a pending registered trademark of ECOSTADT	