



MATERIAL SAFETY DATA SHEET

TreeAzin Systemic Insecticide

MANUFACTURER

BioForest Technologies Inc.
105 Bruce Street
Sault Ste. Marie ON
P6A 2X6 Canada

Phone: 705-942-5824
Fax: 705-942-8829

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For BioForest Technologies Inc.
Signature of the Preparer

Joe Meating
Authorized Signatory

PRODUCT USE

TreeAzin Systemic Insecticide is to be injected into trees to control insect pests using the EcoJect® System, a medium pressure tree injection tool.

COMPOSITION/PRODUCT INFORMATION

Trade Name:	TreeAzin Systemic Insecticide
Description:	Botanical insecticide for landscape and woodlot trees
Active Ingredient:	Azadirachtin (5%)

Components	CAS #
Azadirachtin A	11141-17-6
Azadirachtin B	95507-03-2
AZA-F, AZA-H, AZA-I, Salannin, Nimbin, Fatty Acids	Other inactive Neem compounds
Inerts	Proprietary solvent and surfactant (PMRA List 4A or 4B)

PHYSICAL DATA

Test	Result	Test	Result
Colour	Dark yellow	Chemical incompatibility	None
Physical state	Liquid	Density	0.8418 @ 20°C
Odour	Strong, unpleasant	Flash point	13°C
pH	4.33 @ 25°C	Miscibility	N/A

TOXICITY SUMMARY

Skin Sensitization	Not a dermal sensitizer of male Guinea pigs following repeated exposures.
Acute Oral Toxicity	Single oral dose LD50 in male and female rats >2000 mg/kg
Acute Nose Inhalation	4-hour acute inhalation in male and female rats LC50 > 2.070mg/L
Acute Dermal Irritation	No dermal irritation following a single application in rabbits
Acute Dermal Toxicity	LD50 in male and female rabbits >2000mg/kg

HEALTH HAZARDS

Hazard Statements:	Keep out of Reach of Children.
Exposure:	Potential skin sensitizer. Avoid contact with skin.
Routes of Entry:	Eyes, Skin, Oral and Inhalation.
Carcinogen:	No
Neurotoxicity:	No
Mutagenicity:	No

EMERGENCY FIRST AID PROCEDURES

Skin:	Rinse skin immediately with plenty of water for 15-20 minutes
Eyes:	Hold open eye and rinse slowly and gently with water for 15-20 minutes.
Inhalation:	Move person to fresh air. If not breathing, call 911, then give artificial respiration, preferably mouth to mouth if possible.
Ingestion:	Call poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or physician. Do not give any liquid to the person.

HEALTH PROTECTION MEASURES

Wear personal protective equipment including normal work clothes (long-sleeved shirt and pants), eye protection and chemical resistant gloves during handling of the product and removal of injection equipment

Wash thoroughly with soap and water after handling and before eating and smoking. Bathe or take a hot shower using plenty of soap after working with TreeAzin.

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	13°C
Chemical Incompatibility:	No evidence of chemical incompatibility was reported between TreeAzin and the following reagents: water, fire extinguisher agents (monoammonium phosphate, carbon dioxide), oxidizing agents, (hydrogen peroxide, phosphoric acid, nitric acid, chlorine bleach) and reducing agents (zinc dust).
Explodability:	The explodability is negative (>40 J).
Corrosion Characteristics:	TreeAzin is compatible with HDPE containers and does not exhibit any characteristics indicative of corrosive behaviour.

ACCIDENTAL RELEASE MEASURES

If Spilled: Recover free product and use absorbent material to minimize runoff of product

DISPOSAL

DO NOT reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Dispose of the rinsings in accordance with provincial requirements.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

STORAGE

Keep in original container until use. Check any plastics for compatibility. Store in a cool, dry place, away from direct sunlight. To prevent contamination, store this product away from food or feed. Keep container tightly sealed when not in use. Do not store below 5 degrees Celsius or above 40 degrees Celsius. Shake well before using.