

Certis U.S.A., LLC  
9145 Guilford Road, Suite 175  
Columbia, Maryland 21046

**EMERGENCY TELEPHONE NUMBER**

CHEM•TEL (800) 255-3924  
Outside North America Call Collect (813) 248-0585

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**PRODUCT INFORMATION**

Trade Names:	Azatin <sup>®</sup> XL, Azatin XL PLUS, Azatina 3% C.E.		
Description:	Botanical Insecticide		
Active Ingredient:	Azadirachtin (3 %)		
Inert Ingredients:	Proprietary aromatic hydrocarbons (solvent) / surfactant blend		
CAS # (a.i.):	11141-17-6		
OSHA PEL:	NA	ACGIH TLV:	NA
DOT Shipping Name:	DOT Hazard Class:		
Ground:	Combustible liquid, n.o.s.	Ground:	Combustible
Vessel or Aircraft:	Flammable liquid, n.o.s.	Vessel or Aircraft:	3

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**PHYSICAL DATA**

Boiling Point:	182°C	Specific Gravity:	1.066 g/mL
Vapor Pressure:	3.00 mmHg @ 20°C	Evaporation Rate:	Not Determined
Vapor Density:	3.94	Odor:	Mothball
Water Solubility:	Colloidal dispersion	Appearance:	Dark brown liquid

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**HEALTH HAZARDS / EFFECTS**

Hazard Statements:	CAUTION Keep out of Reach of Children
Exposure Signs and Symptoms:	Prolonged contact may cause dermatitis,
Medical Conditions Aggravated by Exposure:	None noted
Threshold Limit Value:	Inerts: 10 ppm (TWA), 15 ppm (STEL)
Routes of Entry:	Eyes, skin, oral, inhalation
NTP Listing:	Not Listed
Carcinogen:	No

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**EMERGENCY AND FIRST AID PROCEDURES**

Skin:	Wash with plenty of soap and water. Get medical attention if irritation develops.
Eyes:	Flush eyes with plenty of water. Call a physician if irritation persists.
Inhalation:	Move to fresh air. Clear lungs and airways. Get medical attention if irritation develops
Ingestion:	Do not induce vomiting. Call a physician immediately

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**HEALTH PROTECTION MEASURES**

Respiratory Protection:	NIOSH approved organic vapor respirator.
Ventilation:	Use under well ventilated conditions.
Protective Clothing:	Long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves such as barrier laminate or Viton (≥14 mil)
Eye Protection:	Protective eyewear
Hygienic Practices:	Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Keep and wash PPE separately from other laundry.

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**FIRE AND EXPLOSION HAZARD DATA**

Flash Point:	43°C	LEL:	Not determined
Flammable Limits:	Not Determined	UEL:	Not determined
Extinguishing Media:	Foam, Dry chemical, Carbon dioxide		

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**REACTIVITY DATA**

Hazardous Decomposition:	None known	Stability:	Stable
Hazardous Polymerization:	Will not occur	Condition to Avoid:	Open flame, temperatures above 100°F

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**SPILL, DISPOSAL, AND STORAGE PROCEDURES**

If Material is Spilled or Released:	This product may be hazardous to fish and aquatic invertebrates. Do not contaminate water, food, or feed by storage and disposal.
Waste Disposal Method:	Wastes resulting from the use of this product may be disposed on site or in an approved waste disposal facility.
Method of Storage	Do not store above 100°F or below -20°F for extended periods of time.
Person to be Contacted if Spill Occurs:	State extension or Experiment Station Specialist. If significant spill occurs, contact CHEM•TEL (800) 255-3924.

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Reason for Issue:	DOT information change
Approval Date:	August 5, 2003
Supersedes Date:	October 8, 2001

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