

VIVID® II

MATERIAL SAFETY DATA SHEET

Florida Silvics, Inc. (dba Tree Tech Microinjection Systems)
950 SE 212th Ave
Morrison Florida 32668
In case of emergency, call 1-800-622-2831

I. MATERIAL IDENTIFICATION

Product Name: **VIVID® II** **EPA Registration # 64014-10**

Active Ingredient (% w/w) Abamectin (a mixture of avermectins containing primarily avermectin B_{1a}) .1.0 %
Chemical Name: Abamectin
Chemical Class: Insecticide - miticide - nematicide
EPA Signal Word: Warning

II. HAZARDOUS INGREDIENTS

<u>Component</u>	<u>Molecular Formula</u>	<u>Molecular Weight</u>	<u>CAS Number</u>	<u>Percent (%)</u>
Abamectin B _{1a}	C ₄₈ H ₇₂ O ₁₄	873.08	71751-41-2	1.0
Abamectin B _{1b}	C ₄₇ H ₇₀ O ₁₄	859.05	Mixture	
Proprietary Ingredient(s)	Not avail.	Not avail.	Not avail.	99.0

<u>Material</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% Ingredients</u>
Abamectin	n/a	n/a	1.0%
Inert Ingredients: (non-hazardous)	n/a	n/a	99.0%

III. FIRST AID PROCEDURES

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

Ingestion: Get immediate medical attention. Induction of vomiting as directed by a physician depending on the quantity ingested.

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact: Wash with plenty of water and soap. Remove contaminated clothing.

Inhalation: Remove from contaminated area immediately. Get medical attention.

Medical Conditions Aggravated by Exposure -- None known

Fire and Explosion:
Flash Point(OC/OF): 72/161
Flammability Limits: UEL: Not applicable
LEL: Not applicable

Hazardous Decomposition

Products: Resulting from A Fire Toxic gases including carbon monoxide, carbon dioxide and smoke can be generated.

Reactivity

Stability: Stable under normal conditions
Hazardous Polymerizations: None
Conditions to Avoid: Heat, sparks and open flame
Incompatibility: None

VI. ENVIRONMENTAL PROTECTION

Spill/Leak/Disposal Procedure:

Steps to be taken in case materials are released:

Contact emergency response personnel. Keep unnecessary persons away. If emergency response personnel are unavailable, absorb small spills on spill pillows or other suitable absorbing material and place in a sealed container for disposal. Dike large spills and transfer to an appropriate container for disposal. Use suitable protective equipment (see Section VII). Follow all fire prevention procedures (Section VIII).

Abamectin is very toxic to certain aquatic species. Avoid contact of spilled materials and runoff with soil and surface waterways. Residual surface material should be removed with towels moistened with methanol. Incinerate all spill material and residues at temperatures greater than 600°C.

Environmental Data: Pure abamectin: LC50 (Daphnia Magna) 48 hours = 0.34 ppb (very highly toxic to aquatic organisms).

This product is highly toxic to bees.

For additional assistance, CHEMTREC provides a toll-free Hotline for chemical emergencies regarding spills, leaks, exposure or accidents: 1-800-424-9300

Waste Disposal Method: Observe all federal, state and local laws concerning health and environment.

In Case of Fire: Use water spray, dry chemical, alcohol foam, or carbon dioxide extinguishing media. For special fire fighting procedures, use self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire. If water is used as an extinguishing medium, the contaminated area must be diked to keep the contaminated water out of all water supplies. Observe all government regulations on spill reporting and handling disposal of waste.

Unusual Fire and Explosion Hazards: None

VII. PERSONAL PROTECTION AND PRECAUTIONS

Respiratory: If use results in vapor/mist concentrations above the ECL, an approved respirator for vapors/mists is recommended.

Eye/Face: To protect against accidental eye contact, goggles should be worn

Hands/Arms: Rubber gloves should be worn. Wash thoroughly with soap and water after handling.

Ventilation: Proper ventilation should be maintained at all times to prevent high vapor/mist conditions. Use only in well-ventilated areas or outdoors.

Additional Protective

Equipment: Protective clothing such as coveralls and/or apron and rubber boots. Wash protective clothing after use.

VIII. SPECIAL PRECAUTIONS:

Special Precautions To Be Taken When:

Handling and Storing, etc.: Store in a cool, dry, well-ventilated location. Do not store near heat or flame. Do not re-use empty microinjection units.

Other: May be harmful if inhaled. Do not breathe spray mist. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Keep out of the reach of children

IX. SARA TITLE III HAZARD CATEGORY:

For Reporting Under Section 311 & 312

Components present in this product that require reporting under the statute are: None

X. BASIC TRANSPORTATION DESCRIPTION

U.S. DOT:	Pesticides, Liquid, Toxic, N.O.S., (Abamectin Solution), 6.1, UN2902, PG III
ICAO/IATA:	Pesticides, Liquid, Toxic, N.O.S. (Abamectin Solution),
MO Class	6.1, UN2902 (Packaging Group III)
IMOP:	Pesticides, Liquid, Toxic, N.O.S. (Abamectin Solution),
IMO Class	6.1, UN2902 (Packaging Group III)
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