



SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

1. IDENTIFICATION

PRODUCT NAME: Divasi™
DESCRIPTION: A liquid insecticide
EPA REG. NO.: 91234-253
COMPANY IDENTIFICATION: Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

2. HAZARD IDENTIFICATION

DANGER

Suspected of damaging fertility or the unborn child (H361)

May cause damage to organs through prolonged exposure (H373)

Fatal if inhaled (H330)

Harmful if swallowed (H302)

Very toxic to aquatic life with long lasting effects (H400+H410)



HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Reproductive Toxicity	2	None	-
Specific Target Organ Toxicity (Repeated Exposure)	2		
Acute Toxicity, Inhalation	2	Environmental Hazards	Category
Acute Toxicity, Oral	4	Hazardous to the aquatic environment, acute	1
		Hazardous to the aquatic environment, chronic	1

HAZARDS NOT REQUIRING CLASSIFICATION

Do not use or store near heat or open flame.

PRECAUTIONARY STATEMENTS

Obtain, read and follow all safety instructions before use. Do not breathe mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wear protective clothing as described in Section 8 of this document. In case of inadequate ventilation wear respiratory protection.

(P203+P260+P271+P280+P284)

Avoid release to the environment not in accordance with the product label. (P273)

Wash hands and exposed skin thoroughly after handling. Do not eat drink or smoke when using this product. (P264+P270)

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately. Specific treatment is urgent (see First Aid section on this label). (P304+P340+P316+P320)

IF exposed or concerned: Get medical advice. (P308+P313)

Get medical help if you feel unwell. (P319)

IF SWALLOWED: Get medical help. Rinse mouth (P301+P317+P330)

Collect spillage. (P391)

Store in a well-ventilated place. Keep container tightly closed. Store locked up. (P403+P233+P405)

Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Abamectin	Avermectin B1	71751-41-2	8.0%
Propylene Glycol	1,2-Propanediol	57-55-6	< 10.0%

NOTE: Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Toxicity following accidental ingestion of this product can be minimized by early administration of chemical adsorbents (e.g., activated charcoal).

If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms, and measurements.

In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since abamectin is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic abamectin exposure.

5. FIREFIGHTING MEASURES

Flash Point: Not available

Flammability Limits: Not determined

Fire and Explosion Hazards: None known.

Extinguishing Medium: Dry chemical, foam, carbon dioxide (CO₂) extinguishing media. If water is used to fight fire, dike and collect runoff.

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Fire Fighting Instructions: Evacuate all unnecessary personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff.

Hazardous Combustion Products: Smoke, fumes or vapors, and oxides of carbon.

NFPA Ratings: Health – 2 / Flammability – 1 / Reactivity – 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

Environmental Precautions: Prevent material from entering public sewer systems, drainage systems, any waterways or low areas. Do not flush to drain or soil. Contain contaminated water.

Spill Cleanup: Avoid misting conditions during cleanup. Absorb with sand or inert material. Put in appropriate container and dispose according to Local, State or Federal regulations. Keep spills away from drinking supplies. Clean contaminated floors and objects thoroughly, observing environmental regulations. Read label for additional information.

7. HANDLING AND STORAGE

Handling: DO NOT breathe vapor or spray mist. Avoid contact with skin, eyes, or clothing.

Storage: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

Occupational Exposure Limits

Chemical Name	OSHA PEL	ACGIH TLV	Other	Source
Propylene Glycol	Not Established	Not Established	10 mg/m ³ TWA	AIHA
Other ingredients	Not Established	Not Established	Not Established	Not Applicable
Abamectin	Not Established	Not Established	0.02 mg/m ³	Syngenta

Protective Clothing: Applicators and other handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves made out of: barrier laminate, butyl rubber ≥ 14 mL, nitrile rubber ≥ 14 mL, neoprene rubber ≥ 14 mL, natural rubber ≥ 14 mL, polyethylene, polyvinyl

chloride (PVC ≥ 14 mL, or Viton ≥ 14 mL, shoes plus socks, and a NIOSH approved particulate filter with any N, R, P filter with NIOSH approval number prefix TC-84A; or a NIOSH-approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C.

General: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	white to gray opaque liquid
Odor:	paint like
Melting/freezing point:	not available
Boiling point/Boiling range:	not available
Flammability:	not available
Flammability limits (upper/lower):	not available
Flash point:	not available
Auto-ignition temperature:	851°F
Decomposition temperature:	not available
pH:	5-6
Kinematic viscosity:	7.5 x 10 ⁻³ mmHg @ 77°F (25°C)
Solubility:	0.007-0.01 mg/L @ 68°F (20°C)
Partition coefficient:	not available
Vapor pressure:	not available
Density:	8.0-9.0 lb/gal
Relative vapor density:	1.03-1.07 g/mL @ 68°F (20°C)
Particle characteristics:	not determined

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Do not use or store near heat or open flame.

CHEMICAL STABILITY: Stable at normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Information presented below is from testing done on an identical or substantially similar product:

ORAL TOXICITY (rat LD₅₀): 310 mg/kg (female rat)

DERMAL TOXICITY (rat LD₅₀): > 2,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): 0.054-0.53 mg/L (4-hour)
(calculated based on similar formulations)

EYE IRRITATION: Minimally irritating (rabbit)

SKIN IRRITATION: Slightly irritating (rabbit)

SKIN SENSITIZATION: Not a skin sensitizer (guinea pig)

Information presented below is for the active ingredient abamectin:

CARCINOGENICITY:

NTP: Not listed

IARC: Not listed

EPA: Group E - Evidence of Non-Carcinogenicity for Humans (avermectin)

DEVELOPMENTAL TOXICITY: Experiments have shown reproductive toxicity effects on laboratory animals. Developmental effects such as cleft palate was reported in rabbits. GABA also plays a role in development; cleft palate findings may reflect the interaction of abamectin on the GABA receptor.

11. TOXICOLOGICAL INFORMATION (CONT.)

NEUROTOXICITY: At high dose, decreased motor activity, reduced splay reflex, & tip toe gait were seen. No death or histopathological changes in nervous system were found in rats.

REPEATED EXPOSURE TOXICITY: Abamectin may cause damage to organs (nervous system) through prolonged or repeated contact.

12. ECOLOGICAL INFORMATION

This pesticide is toxic to fish and wildlife. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. DO NOT apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

The following information is for the active ingredient, abamectin:

AQUATIC TOXICITY

Rainbow Trout (96-hour LC_{50}): 2.76 $\mu\text{g/L}$; (NOAEC): 0.52 $\mu\text{g/L}$
Sheepshead Minnow (96-hour LC_{50}): 15.0 $\mu\text{g/L}$; (NOAEC): 0.30 $\mu\text{g/L}$
Daphnia (48-hour LC_{50}): 0.27 $\mu\text{g/L}$; (NOAEC): 0.0029 $\mu\text{g/L}$
Mysid shrimp (96-hour EC_{50}): 0.020 $\mu\text{g/L}$; (NOAEC): 0.0035 $\mu\text{g/L}$
Algae (9-day EC_{50}): 12,000 $\mu\text{g/L}$; (NOAEC): 12,000 $\mu\text{g/L}$

AVIAN TOXICITY

Mallard Duck (Acute Oral LD_{50}): 85 mg/kg
Bobwhite Quail (NOAEC, diet): 20.0 mg/kg

TERRESTRIAL INVERTEBRATES TOXICITY

Honeybee (LD_{50}): 0.0044 $\mu\text{g/bee}$

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Non-refillable containers. Do not reuse or refill this container. See container labeling for complete disposal instructions.

14. TRANSPORT INFORMATION

US-DOT:

UN2902, Pesticide, liquid, toxic. n.o.s.
(contains abamectin), 6.1 PG III

IMDG:

Containers \leq 1.3 gal. (5 L) in strong outer packaging:

Not regulated

Containers > 1.3 gal. (5 L) or containers not in strong outer packaging:

Shipped internationally by vessel: UN2902, Pesticide, liquid, toxic, N.O.S.
(contains abamectin), 6.1, PG III, Marine
Pollutant

IATA:

Shipments by air: UN2902, Pesticide, liquid, toxic, N.O.S.
(contains abamectin), 6.1, PG III, Marine
Pollutant

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may

be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

FIFRA –

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING. May be fatal if swallowed. May be fatal if inhaled. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. DO NOT breathe vapor or spray mist. Avoid contact with skin, eyes, or clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. DO NOT apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

DO NOT apply directly to water, to areas where surface water is present, or to intertidal areas below the mean highwater mark. DO NOT apply when weather conditions favor drift from target areas. DO NOT contaminate water when disposing of equipment wash water or rinsate. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. DO NOT apply this product or allow it to drift to blooming crops or weeds while bees are foraging in or adjacent to the treatment area.

Use of this product may pose a risk to threatened and endangered species of fish, amphibians, crustaceans (including fresh water shrimp), and insects. All use of this product in the state of California should comply with the recommendations of the California Endangered Species Project. Before using this product in California, consult with your county agriculture commissioner to determine use limitations that apply in your area.

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a medium potential for reaching both surface water and aquatic sediment via runoff for several weeks to months after application. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of abamectin from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT use or store near heat or open flame.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

15. REGULATORY INFORMATION (CONT.)

SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

SARA Title III – Section 311/312 Hazard Categories

Immediate (Acute), Delayed (Chronic)

SARA Title III – Section 312 Threshold Planning Quantity

Not listed

SARA Title III – Section 313 Reportable Ingredients

Abamectin (CAS No. 71751-41-2)

CERCLA Reportable Quantity (RQ) –

None

CALIFORNIA PROP 65 STATUS –



WARNING: This product can expose you to chemicals including abamectin which is known to the State of California to cause developmental toxicity. For more information, go to

www.P65Warnings.ca.gov.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

To the extent consistent with applicable law, neither Atticus, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ATTICUS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SDS Version: 1.0_US

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