



MATERIAL SAFETY DATA SHEET
Aventis Environmental Science USA LP
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For Medical and Transportation Emergencies ONLY call 24 hours a day 1-800-334-7577.
For Product Use Information call 1-877-TERMIDOR



1. CHEMICAL PRODUCT IDENTIFICATION

Product Name: TERMIDOR SC Termiticide/Insecticide Finished Spray Solution

Product Code: 264568

Chemical Family: Phenyl pyrazole

Chemical Name: Fipronil, 5-amino-1-(2,6-dichloro-4-(trifluoromethyl) phenol)-4-((1,R,S)-(trifluoromethyl)sulfinyl) -1-H-pyrazole-3-carbonitrile

Chemical formula: C₁₂H₄C₁₂F₆N₄O₅

EPA Registry Number: 432-901 (of concentrate)

A MSDS based on the concentrate is available upon request.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Reg Number	%
Fipronil	120068-37-3	0.06%
Inert Ingredients		99.94%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION: Physical appearance and odor: A hazy clear liquid, odorless. Harmful if swallowed, inhaled, or absorbed through skin.

Potential Health Effects: NOTE: The following is based upon toxicity data developed on a 0.25% fipronil spray solution, while Termidor labeled rates are much lower at 0.06% to 0.125%.

Acute effects: This product is moderately toxic through oral, dermal and inhalation. It is not a dermal sensitizer and is not irritating to the eye. It can cause slight skin irritation.

Chronic Effects: Carcinogenicity: This product does not contain any substances that are considered by OSHA, NTP, IARC, or ACGIH to be probable or suspected human carcinogens.

Medical Conditions aggravated by exposure: Direct inhalation of this product may aggravate existing chronic respiratory problems. Skin contact may aggravate existing skin disease.

4. FIRST AID MEASURES

First Aid for skin: Remove contaminated clothing and shoes and wash skin with plenty of soap and water. If skin irritation persists, seek medical attention. Clean contaminated clothing and shoes before re-use.

First Aid for eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. For contact lens wearers remove lenses after the rinsing with water for the first 5 minutes, then continue rinsing the eye. If irritation persists, seek medical attention.

First Aid for Inhalation: Move person to fresh air. If not breathing, give artificial respiration, mouth-to-mouth is preferred. Seek medical attention.

First Aid for Ingestion: Call a poison control center or physician. Give person 1 or 2 glasses of water, and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Physician Note: There is no specific antidote. All treatments should be based on observed signs and symptoms. Phenobarbital or diazepam may be useful in controlling convulsions induced by fipronil.

5. FIRE FIGHTING MEASURES

Flash point: not applicable.

Suitable Extinguishing Media: Foam, Water Spray, Carbon Dioxide, Dry Chemical

Advice on protection against fire: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Isolate hazard area and deny entry. Dike area to prevent runoff and contamination of water sources.

6. ACCIDENTAL RELEASE MEASURES

Containment of spill: In case of minor spills and leaks, soak up with sand, earth or other suitable material and dispose of wasted and broken or empty containers in a landfill approved for pesticides use.

Cleanup and disposal of spill: Isolate the area and keep unauthorized people away and do not walk through spilled material. Wear appropriate protective gear for the situation. Pump any free liquid into an appropriate closed container. Recover as much liquid product as possible. Absorb with an inert absorbent.

If spilled on the ground, the affected area should be scraped clean and shoveled up into an appropriate closed container for disposal. Decontaminate tools and equipment following cleanup. Avoid creation of dusty conditions.

Additional cleanup measures can be found in the Termidor Technical Bulletin under "Procedures to clean-up spills". This document can be obtained online or from your Termidor Sales Representative.

In addition, the Distribution Assistance Response Team (DART) is available 24 hours a day for consultation with cleanups of Aventis products. DART may be reached at 1-800-334-7577.

7. HANDLING AND STORAGE

Avoid contact with skin, eyes, and clothing. Avoid breathing vapor or spray mist. Do not ingest. Do not contaminate water, food, or feed by disposal.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use with adequate ventilation.

Work Practice Controls: 1) Users should wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove contaminated clothing and then wash body thoroughly with soap and water and put on clean clothing. Wash clothing with detergent and hot water before reusing. 3) Remove PPE immediately after handling this product. Wash outside of gloves before removing. Wash PPE before reusing.

Personal Protection: 1) Body protection: All pesticide handlers must wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves. 2) Eye protection: All pesticide handlers must wear protective eyewear (goggles, a faceshield, or safety glasses with front, brow, and temple protection) when working in a non-ventilated space, including but not limited to crawl-spaces and basements or when applying termiticide by rodding or sub-slab injection. 3) Respiratory protection: All pesticide handlers must wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N, R, P, or HE filter when working in a non-ventilated space, including but not limited to crawl-spaces and basements.

9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE: A hazy clear liquid.

pH: Not available

WATER SOLUBILITY: not available

VAPOR PRESSURE: not available

OCTANOL/WATER PARTITION COEFFICIENT: not available

ODOR: Odorless

SPECIFIC GRAVITY: not available

BOILING POINT RANGE: not available.

VAPOR DENSITY: >1

10. STABILITY and REACTIVITY

STABILITY: Stable material under normal handling and usage.

CONDITIONS TO AVOID: direct sunlight and extreme heat.

INCOMPATIBILITY: avoid strong bases, acids and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition type, hydrogen fluoride, oxides of nitrogen, oxides of sulfur, oxides of carbon, hydrochloric acid. Decomposition temperature range: 240°C (464°F).

11. TOXICOLOGICAL INFORMATION (of concentrate)

ACUTE ORAL LD50: >5,000 mg/kg rat.

ACUTE INHALATION LC50: >2.9 mg/L rat.

ACUTE SKIN EFFECTS: Rabbit, slightly irritating.

CHRONIC TOXICITY: This product does not contain any substances that are considered by OSHA, NTP, IARC, or ACGIH to be probable or suspected human carcinogens.

ACUTE DERMAL LD50: >2,000 mg/kg rabbit

ACUTE EYE EFFECTS: Rabbit, not irritating.

SENSITIZATION: Guinea pig, not a dermal sensitizer.

12. ECOLOGICAL INFORMATION (of concentrate)

ENVIRONMENTAL PRECAUTIONS: This pesticide is toxic to birds, fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Care must be taken to avoid runoff. Do not contaminate water by cleaning equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwaters.

ECOTOXICOLOGICAL INFORMATION: (Based on technical grade active ingredient fipronil): Mean dietary concentration LC50: Mallard duck >5,000 mg/kg/8 d. Bobwhite quail 48 mg/kg/8 d. Mean concentration flow through LC50: Bluegill sunfish 85 ug/l/96 hr. Rainbow trout 248 ug/l/96 hr. EC50: Daphnia magna: 248 ug/l/48 hr.

13. DISPOSAL CONSIDERATIONS:

WASTE DISPOSAL METHOD: If these wastes cannot be disposed of by 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.

EPA HAZARDOUS WASTE: No

14. TRANSPORT INFORMATION

For Transport regulatory information call the product use information number 1-800-334-7577.

15. REGULATORY INFORMATION

STATE REGULATIONS: This product does not contain any components that are regulated under California Proposition 65.

U.S. FEDERAL REGULATIONS: SARA Title III Hazard Classes:

Fire hazard - No. Reactivity hazard - No. Release of Pressure - No.

Acute Health Hazard - yes. Chronic Health Hazard - Yes.

This product is excluded from TCSA because it is solely for FIFRA regulated use. TSCA inventory status: these components are not listed: Fipronil 0.06% (120068-37-3), inert ingredients 99.94%.

SARA 313: no components listed.

16. OTHER INFORMATION:

DISCLAIMER: The information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions.